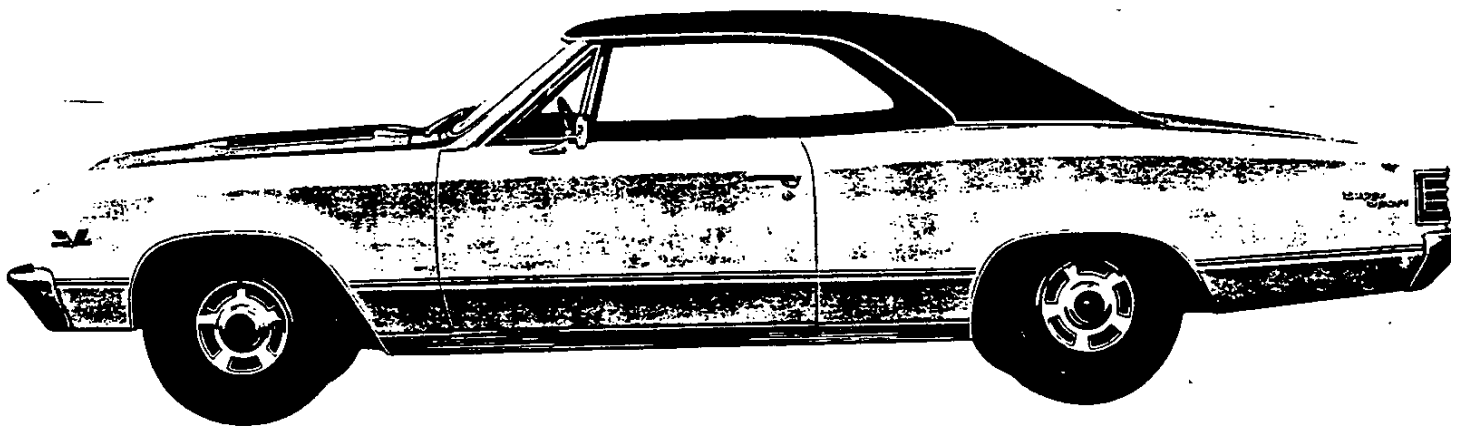


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**1967**



**CHEVROLET**

**CHEVELLE**



# CHEVELLE

1967 MODELS WITH STANDARD EQUIPMENT (115" Wheelbase)

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Model Description

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## 6-Cylinder Models

### 140-hp Hi-Thrift 230 Engine

300

- 13111 2-Door Sedan—6-Passenger.....
- 13169 4-Door Sedan—6-Passenger.....

300 Deluxe

- 13311 2-Door Sedan—6-Passenger.....
- 13369 4-Door Sedan—6-Passenger.....
- 13335 4-Door Station Wagon—2-Seat.....

Malibu

- 13569 4-Door Sedan—6-Passenger.....
- 13539 Sport Sedan—6-Passenger.....
- 13517 Sport Coupe—5-Passenger.....
- 13567 Convertible—5-Passenger.....
- 13535 4-Door Station Wagon—2-Seat.....

Camaro

- 13735 4-Door Custom Wagon—2-Seat.....
- 

## 8-Cylinder Models

### 195-hp Turbo-Fire 283 Engine

300

- 13211 2-Door Sedan—6-Passenger.....
- 13269 4-Door Sedan—6-Passenger.....

300 Deluxe

- 13411 2-Door Sedan—6-Passenger.....
- 13469 4-Door Sedan—6-Passenger.....
- 13435 4-Door Station Wagon—2-Seat.....

Malibu

- 13669 4-Door Sedan—6-Passenger.....
- 13639 Sport Sedan—6-Passenger.....
- 13617 Sport Coupe—5-Passenger.....
- 13667 Convertible—5-Passenger.....
- 13635 4-Door Station Wagon—2-Seat.....

Camaro

- 13835 4-Door Custom Wagon—2-Seat.....
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### 325-hp Turbo-Jet 396 Engine

SS 396

- 13817 Sport Coupe—5-Passenger.....
  - 13867 Convertible—5-Passenger.....
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# **ADVANCE GENERAL INFORMATION**

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## **1967 PASSENGER CAR AND EL CAMINO MODELS**

**CHEVROLET**

**CHEVELLE**

**CAMARO**

**CHEVY II**

**CORVAIR**

**CORVETTE**

**EL CAMINO**

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This booklet is designed to assist in the preparing of initial orders. Contents are of a preliminary nature and subject to changes at any time. Information furnished herein should be treated as confidential until after public announcement time.

**Chevrolet Central Office Distribution Department**

**AUGUST 15, 1966**

# CHEVELLE

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Col-Code	Option Number
<b>EXTERIOR FEATURES (Continued)</b>		
<b>Guards:</b>		
Bumper, front	60-1	V31
Bumper, rear (Except Wagons)	60-2	V32
Door edge: 2-door models	58-4	B93
4-door models (Except Custom Wagons)	58-4	B93
Mirror: LH outside remote control	45-2	D33
<b>Moldings, Side Window:</b>		
4-Door Sedans & Malibu Station Wagons	64-1	B90
300 Deluxe Station Wagons; also includes moldings on rear quarter windows	64-1	B90
<b>Paint, Exterior: Solid colors</b>		
Two-tone combinations		
<b>Roof Cover, Vinyl: For hardtop models only.</b> (Solid exterior colors only)		
Black	55-2	C08
Beige	55-6	C08
<b>Stripes, Special Body Side Accent: SS 396 models only.</b> Replaces the standard stripes	64-2	D96
<b>Top, Convertible: Available with all exterior solid colors</b>		
<b>Manual</b>		
White	55-1	C05
Black	55-2	C05
Blue	55-4	C05
<b>Power</b>		
White	55-1/56-2	C05/C06
Black	55-2/56-2	C05/C06
Blue	55-4/56-2	C05/C06
<b>Wheel Covers: (Not available when disc brakes are ordered.)</b>		
Four bright metal	51-1	P01
<b>Wheel Covers, Mag-Style</b>	51-3	N96
<b>Wheel Covers, Simulated Wire</b>	51-2	P02

## INTERIOR FEATURES

<b>Air Conditioning, Four-Season:</b> Includes 61-amp Delcotron, heavy-duty radiator and temperature-controlled radiator fan. 7.75-14 or F70-14 tires must be ordered on models 13639 or 13667 with 195-hp engine or models 13211-13269-13411-13469-13669 or 13617 when 275-hp engine is ordered.	54-1	C60
<b>Belts, Seat:</b> (in addition to or replacing standard seat belts)		
* <b>Center Rear</b> —For use with standard seat belts	53-4	A68
<b>Custom Deluxe Front and Rear</b>	53-2	A39
* <b>Custom Deluxe Center Rear</b> —Available only when custom deluxe seat belts or appearance guard group is ordered	53-3	AL5
<b>Belts, Front Shoulder: (Driver and passenger)</b>		
<b>Standard Type</b> —For use with standard seat belts	45-4	AS1
<b>Custom Deluxe</b> —Available only when custom deluxe seat belts or appearance guard group is ordered	45-1	A85
<b>Clock, Electric:</b> 300 and 300 Deluxe models only	57-3	U35
<b>Console:</b> Available only when bucket seats are ordered. Includes electric clock & compartment. Gearshift lever is mounted on console. With std 3-speed available only on SS 396. Not available when overdrive transmission is ordered.	49-1	D55
	59-1	C50
<b>Defroster, Rear Window:</b> Sedans & Sport Coupes only	50-2	A02
<b>Glass, Soft-Ray Tinted:</b> Windshield only	50-1	A01
All windows		
<b>Headrests, Strato-Ease:</b> Driver and passenger		
With Strato-bucket front seats	57-1	A81
With standard bench front seat	57-2	A82
<b>Instrumentation, Special:</b> Available on V8 Sport Coupes and Convertibles only. Includes ammeter, temperature and oil pressure gauges. Also includes tachometer	49-2	U14
<b>Lights:</b>		
Ashtray	66-2	U28
Courtesy; all models except Convertibles	66-4	U29
Glove compartment; 300 and 300 Deluxe models only	66-1	U27
Luggage; all models except Wagons	65-2	U25
Underhood	65-4	U26
<b>Mats, Floor:</b> Color-keved; (2) front and (2) rear	59-3	B37

\* Sedans and wagons only.

# CHEVELLE

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Cal-Code	Option Number
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### FEATURE GROUPS

**Appearance Guard Group:** Includes color-keyed (2) front & (2) rear floor mats, front bumper guards and custom deluxe seat belts

Concours Custom Wagon only.....	69-1	...
300 Deluxe and Malibu Wagons; also includes door edge guards.....	69-1	...
Sedans, Coupes and Convertibles; also includes door edge guards & rear bumper guards		
2-door models.....	69-1	...
4-door models.....	69-1	...

**Auxiliary Lighting Group:** Includes three or more of the following items: 1. courtesy lights 2. underhood light 3. ashtray light 4. luggage compartment light 5. glove compartment light

On Convertibles (Includes items 2, 3, & 4).....	70-1	...
On Concours and Malibu Wagons (Includes items 1, 2, & 3).....	70-1	...
On Malibu Sedans and all Coupes (Includes items 1, 2, 3, & 4).....	70-1	...
On 300 Deluxe Wagons (Includes items 1, 2, 3, & 5).....	70-1	...
On 300 & 300 Deluxe Sedans (Includes items 1, 2, 3, 4, & 5).....	70-1	...

**Foundation Group:** Includes pushbutton radio; electric clock and extra-thick foam front seat cushion

300 & 300 Deluxe models only.....	67-1	...
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**Operating Convenience Group:** Includes LH outside remote-control rearview mirror and rear window defroster

All models except Wagons.....	68-1	...
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**Station Wagon Convenience Group:** Includes luggage carrier, power rear window & rear window air deflector

All Wagons.....	70-2	...
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All items contained in the above groups may be ordered separately and are shown in the following options list.

### POWER TEAMS

**Engines:** See Power Teams chart for complete engine specifications, model and transmission availability

155-hp Turbo-Thrift 250 6-cyl.....	30-1	L22
275-hp Turbo-Fire 327 V8.....	30-2	L30
325-hp Turbo-Fire 327 V8.....	30-3	L79
350-hp Turbo-Jet 396 V8 (SS 396 models only).....	30-8	L34

**Transmissions:** See Power Teams chart for availability

<b>Special 3-Speed fully synchronized; floor-mounted</b> (Standard on SS 396 models).....	29-6	M13
<b>4-Speed (Close-Ratio)</b> .....	29-5	M21
<b>4-Speed (Wide-Range)</b> .....	29-3	M20
<b>Overdrive</b> .....	29-4	M10
<b>Powerglide</b> .....	29-1	M35
<b>Turbo Hydra-Matic (SS 396 models only)</b> .....	29-7	M40
<b>Axle, Positraction Rear</b> .....	31-B	G80

**Axle Ratios:** See Power Teams chart for availability

<b>Economy</b> .....	32-1	...
<b>Performance</b> .....	32-2	...
<b>Special</b> (If axle ratio other than Standard, Economy or Performance is desired, refer to Power Teams chart for availability—then list ratio on order form in box under "Special Ratio").....	.....	.....

### POWER ASSISTS

<b>Brakes, Power</b> .....	33-2	I50
<b>Seat, Power:</b> 4-way control; front seat only. Not available with floor-mounted transmissions, bucket seats or 300 models... ..	61-1	A41
<b>Steering, Power</b> .....	33-1	N40
<b>Windows, Power:</b> For Malibu, Concours and SS 396 models only.....	58-1	A31

### EXTERIOR FEATURES

**Antenna, Rear:** Replaces front radio antenna. Not available on Wagons or when AM-FM radio is ordered

Manual.....	47-1	U73
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# CHEVELLE TIRES

## CHEVELLE BASE TIRE CHART

Model		Base Tires	275-HP 327-cu-in Engine	325-HP 327-cu-in Engine
C-Cyl	V8			
13111	13211	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13169	13269	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13311	13411	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13335	13435	7.75-14/2-ply (4-ply rating)	—	—
13369	13469	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13539		7.35-14/2-ply (4-ply rating)	—	—
13535	13635	7.75-14/2-ply (4-ply rating)	—	—
13517	13617	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13567		7.35-14/2-ply (4-ply rating)	—	—
13569	13669	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
	13639	7.35-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)
	13667	7.35-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)
13735	13835	7.75-14/2-ply (4-ply rating)	—	—
	13817	◆F70-14/2-ply (4-ply rating)	—	—
	13867	◆F70-14/2-ply (4-ply rating)	—	—

◆ Special Nylon Red Stripes

## FACTORY INSTALLED REGULAR PRODUCTION TIRES

Description	Ordering Column 34-35 Code	Option Number
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### TUBELESS TIRES

#### Replaces (5) 7.35-14/2-ply (4-ply rating) Original Equipment Blackwall

(5) 7.35-14/2-ply (4-ply rating) Original Equipment Whitewall	21	P58
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Blackwall	29	P65
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Whitewall	28	P62
(5) F70-14/2-ply (4-ply rating) Special Nylon Red Stripes	59	PW8
(5) F70-14/2-ply (4-ply rating) Special Nylon White Stripes	58	PW7

#### Replaces (5) 7.75-14/2-ply (4-ply rating) Original Equipment Blackwall

(5) 7.75-14/2-ply (4-ply rating) Original Equipment Whitewall	28	P62
a(5) 7.75-14/4-ply (8-ply rating) Original Equipment Blackwall	34	T14
a(5) 7.75-14/4-ply (8-ply rating) Original Equipment Whitewall	35	T15
b(5) F70-14/2-ply (4-ply rating) Special Nylon Red Stripes	59	PW8
b(5) F70-14/2-ply (4-ply rating) Special Nylon White Stripes	58	PW7

#### Replaces (5) F70-14/2-ply (4-ply rating) Special Nylon Red Stripe Tires (SS 396)

(5) F70-14/2-ply (4-ply rating) Special Nylon White Stripes	58	PW7
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a Available on Wagons only.      b Not Available on Wagons.



## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Col-Code	Option Number
<b>INTERIOR FEATURES (Continued)</b>		
<i>Radios: Includes front antenna. Rear antenna must be ordered separately (See Exterior Features)</i>		
Pushbutton control.....	46-3	U63
Pushbutton control with rear seat speaker.....	46-4	U63/U80
AM-FM pushbutton control; front antenna only.....	46-5	U69
AM-FM pushbutton control with rear seat speaker; front antenna only.....	46-6	U69/U80
Speaker, Rear Seat: For use with foundation group.....	46-1	U80
Seat Cushion, Extra-Thick Foam Front: 300 and 300 deluxe only.....	62-2	B55
Seats, Strate-Bucket: Sport Coupe & Convertible only.....	62-4	AS1
Speed and Cruise Control: (Cruise-Master) V8 models only. Available only when Powerglide transmission is ordered.....	43-4	K30
Speed Warning Indicator.....	43-2	U15
<i>Steering Wheel, Deluxe:</i>		
300 and 300 Deluxe models only.....	52-4	N30
Steering Wheel, Sports-styled, walnut-grained plastic ring..	52-1	N34
Steering Wheel, Comfortilt: Available only when Powerglide, Turbo Hydra-Matic or 4-speed transmission is ordered.....	52-2	N33
Stereo Tape System: Includes four speakers. Not available when radio with rear seat speaker is ordered.....	47-3	U57
<i>Trim, Interior: For availability see Color &amp; Trim Chart.</i>		
All-vinyl; Malibu Sport Coupe and Sport Sedan only.....	.....	.....
Deluxe cloth; Malibu Sport Sedan only.....	.....	.....
All-vinyl (Fawn) 300 models only.....	.....	.....

### WAGON FEATURES

Air Deflector, Rear Window: Anodized aluminum.....	59-2	CS1
Carrier, Luggage.....	60-4	V55
Window, Power Rear.....	58-2	A33

### HEAVY-DUTY AND OTHER EQUIPMENT

Battery, Heavy-Duty: 66-plate, 70-amp-hr.....	36-1	T60
Brakes, Front Disc: Not available when metallic brakes are ordered; includes special hub caps and trim rings.....	37-3	I52
Brake Linings, Sintered Metallic.....	43-1	I65
Clutch, Heavy-Duty: Not available on SS 396 models or with 155-hp 6-cylinder engine or GM air injection reactor.....	44-2	M01
Exhaust, Dual: For 275-hp engine only.....	41-2	N10
Fan, Radiator: Temperature-controlled. Included when Four-Season air conditioning is ordered. V8 models only.....	44-1	K02
GM Air Injection Reactor: Approved by the state of California and exclusive to California registration. Available only when closed engine positive ventilation is ordered.....	40-2	K19
<i>Generators:</i>		
42-amp Delcotron. Not available when air conditioning is ordered.....	42-1	K79
61-amp Delcotron. Included when air conditioning is ordered..	42-2	K76
Heater & Defroster Deletion: Not available when air conditioning is ordered.....	54-4	C48
Horn, Tri-Volts: Except 300 models.....	63-3	U03
Radiator, Heavy-Duty: Not available when air conditioning is ordered.....	36-2	V01
<i>Shock Absorbers, Rear:</i>		
Superlift.....	38-1	G66
<i>Suspension, Special Front &amp; Rear:</i>		
On Sedans & Coupes.....	37-1	F40
On Wagons.....	37-1	F40
Tachometer: V8 models only (Included when special instrumentation is ordered).....	41-1	U16
Ventilation, Closed Engine Positive: Included when 325-hp 327-cu-in or 350-hp engine is ordered.....	40-1	K24

# CHEVELLE

## IMPORTANT

**Dealer Note:** Exterior and interior combinations shown in chart below are those recommended by Chevrolet; however, any solid exterior color may be ordered with any available interior color if the particular combination is desired by a customer.

To protect against ordering errors with the resultant production of undesirable color combinations, procedures have been established to reject any exterior-interior color not in the recommended category until such orders are verified with the dealer involved. We wish to eliminate this potential delaying factor and ask your cooperation in circling the color code on the order form when a non-recommended combination is desired. This will permit processing the order for production without further verification.

INVOICE INTERIOR TRIM IDENTIFICATION	
Black	757 759 761 762-763 764 766
Blue	724 726 727 728 729 730 738
Bright Blue	723 731
Fawn	768 769 770
Gold	782 783 784 794
Maroon	746
Plum	705
Red	747 750
Turquoise	775 776 778

## EXTERIOR SELECTION CHART

EXTERIOR COLORS	Code	INTERIOR TRIM COLORS								
		Black	Blue	Bright Blue	Fawn	Gold	Maroon	Plum	Red	Turquoise
<b>SOLID</b>										
Tuxedo Black	AA	X	X	X	X	X	X	X	X	X
Ermine White	CC	X	X	X	X	X	X	X	X	X
Nantucket Blue (Med)	DD	X	X							
Deepwater Blue (Dk)	EE	X	X							
*Marina Blue (Brt)	FF	X	X	X						
Granada Gold	GG	X			X	X				
Mountain Green (Med)	HH	X			X					
Emerald Turq (Med)	KK	X			X					X
Tahoe Turquoise (Dk)	LL	X			X					X
Royal Plum	MM	X						X		
Medeira Maroon	NN	X			X	X	X		X	
Salero Red	RR	X							X	
Sierra Fawn	SS	X			X	X				
Capri Cream	TT	X			X	X				
Butternut Yellow	YY	X			X					X

### \*TWO-TONE

Nantucket Blue—Upper Ermine White—Lower	CD		X							
Ermine White—Upper Nantucket Blue—Lower	DC		X							
Nantucket Blue—Upper Deepwater Blue—Lower	ED		X							
Deepwater Blue—Upper Nantucket Blue—Lower	DE		X							
Capri Cream—Upper Granada Gold—Lower	GT	X			X	X				
Ermine White—Upper Tahoe Turquoise—Lower	LC									X
Capri Cream—Upper Sierra Fawn—Lower	ST	X			X	X				

\*Note: Marina Blue Exterior not available on Concours Custom Wagon.

\*Note: Two-tone Exterior not available on Concours Custom Wagon or Convertible.

# CHEVELLE POWER TEAMS

## Engine, Transmission and Rear Axle Combinations

ENGINES		TRANSMISSION	MODEL APPLICATION	REAR AXLE RATIOS*							
				Without Air Conditioning				With Air Conditioning			
				Std	Optional			Std	Optional		
Econ	Perf	Spec	Econ		Perf	Spec					
Std on Series 131-133-135 and Model 13735	140-hp Turbo-Thrift 230 6-Cylinder 230-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Powerglide	Sedans, Coupes & Convertibles	3.08:1 †	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
			Wagons	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	All Models	3.70:1	—	—	—	3.70:1	—	—	—
L22 on Series 131-133-135 and Model 13735	165-hp Turbo-Thrift 250 6-Cylinder 250-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Powerglide	Sedans, Coupes & Convertibles	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
			Wagons	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	All Models	3.70:1	—	—	—	3.70:1	—	—	—
Std on Series 132-134-136 and Model 13835	185-hp Turbo-Fire 283 8-Cylinder 283-cu-in displacement 2-barrel carburetor 9.25:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Powerglide	Sedans, Coupes & Convertibles	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
			Wagons	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	All Models	3.70:1	—	—	—	3.70:1	—	—	—
L20 on Series 132-134-136 and Model 13835	275-hp Turbo-Jet 327 8-Cylinder 327-cu-in displacement Regular camshaft 4-barrel carburetor 10.0:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Powerglide	Sedans, Coupes & Convertibles	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
			Wagons	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	All Models	3.70:1	—	—	—	3.70:1	—	—	—
L79 on Series 132-134-136 and Model 13835	325-hp Turbo-Fire 327 8-Cylinder 327-cu-in displacement High-lift camshaft 4-barrel carburetor 11.0:1 compression ratio Hydraulic valve lifters	Special 3-Speed Full-Synchro	All Models	3.31:1	3.07:1	3.55:1	3.73:1	3.31:1	—	3.55:1	3.73:1
		4-Speed Close-Ratio	All Models	3.31:1	3.07:1	3.55:1	3.73:1 4.10:1 4.56:1 4.88:1	3.31:1	—	3.55:1	3.73:1
Std on Models 13817 13867	325-hp Turbo-Jet 396 8-Cylinder 396-cu-in displacement Regular camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Dual exhaust	Std Special 3-Speed Full-Synchro	All SS 396 Models	3.31:1	3.07:1	3.55:1	3.73:1 or 4.10:1	3.07:1	—	—	—
		Powerglide	All SS 396 Models	3.07:1	2.73:1	3.31:1	3.55:1 or 4.10:1	3.07:1	—	—	—
			Turbo-HydraMatic	2.73:1	—	3.07:1	3.31:1	3.07:1	—	—	—
L34 on Models 13817 13867	385-hp Turbo-Jet 396 8-Cylinder 396-cu-in displacement High-lift camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Dual exhaust	Std Special 3-Speed Full-Synchro	All SS 396 Models	3.55:1	3.31:1	3.73:1	4.10:1	3.07:1	—	—	—
		Powerglide	All SS 396 Models	3.31:1	3.07:1	3.55:1	3.73:1 or 4.10:1	3.07:1	—	—	—
			4-Speed Close-Ratio	All SS 396 Models	3.55:1	3.31:1	3.73:1	3.07:1 4.10:1 4.56:1 4.88:1	3.07:1	—	—
		Turbo-HydraMatic		3.07:1	2.73:1	3.31:1	—	3.07:1	—	—	—

\* All ratios available as option. (4.10:1, 4.56:1 and 4.88:1 available as post-option only).

† When G.M. Air Injection Reactor (RPOK19) is ordered with Powerglide transmission (RPOM35), standard axle is 2.73:1. Performance axle is 3.06:1.

# CHEVELLE

	2-Door Sedan	4-Door Sedan	2-Door Sport Coupe	4-Door Sport Sedan	2-Door Convertible	4-Door Station Wagon 2-Seat
CONCOURS			13817		13867	13735-835
SS 396		13569-669	13517-617	13539-639	13567-667	13535-635
MALIBU		13369-469				13335-435
300 DELUXE	13311-411					
CHEVELLE 300	13111-211	13169-269				

# CHEVELLE

## INTERIOR SELECTION CHART

TYPE OF SEAT	Material	Extra Cost	INTERIOR TRIM COLOR AVAILABILITY								
			Black	Blue	Bright Blue	Fawn	Gold	Maroon	Plum	Red	Turquoise

### CONCOURS CUSTOM WAGON

Full-Width Bench	Vinyl	No	E	B			G			D	T
------------------	-------	----	---	---	--	--	---	--	--	---	---

### SS 396 SPORT COUPE AND CONVERTIBLE

Full-Width Bench	Vinyl	No	E	B	R		G			D	T
Optional Strato-Bucket (RPO AS1)	Vinyl	Yes	E	B	R		G			D	T

### MALIBU SPORT COUPE

Full-Width Bench	Cloth	No	E	B			G	M			T
Full-Width Bench	Vinyl	Yes	L		H					A	
Optional Strato-Bucket (RPO AS1)	Vinyl	Yes	E	B	R		G			D	

### MALIBU SPORT SEDAN

Full-Width Bench	Cloth	No	E	B			G	M			T
Full-Width Bench	Vinyl	Yes	L	U							
Full-Width Bench	Deluxe Cloth	Yes	N	S			W		P		

### MALIBU 4-DOOR SEDAN

Full-Width Bench	Cloth	No	E	B			G	M			T
------------------	-------	----	---	---	--	--	---	---	--	--	---

### MALIBU WAGON

Full-Width Bench	Vinyl	No	E	B			G			D	T
------------------	-------	----	---	---	--	--	---	--	--	---	---

### MALIBU CONVERTIBLE

Full-Width Bench	Vinyl	No	E	B	R		G			D	T
Optional Strato-Bucket (RPO AS1)	Vinyl	Yes	E	B	R		G			D	

### 300 DELUXE SEDANS

Full-Width Bench	Cloth	No	E	B		F					
------------------	-------	----	---	---	--	---	--	--	--	--	--

### 300 DELUXE WAGON

Full-Width Bench	Vinyl	No	E	B		F					
------------------	-------	----	---	---	--	---	--	--	--	--	--

### 300 SEDANS

Full-Width Bench	Cloth	No		B		F					
Full-Width Bench	Vinyl	Yes	E								
Full-Width Bench	*Vinyl	Yes				V					

\*Fleet and Taxi Cab Type Trim.

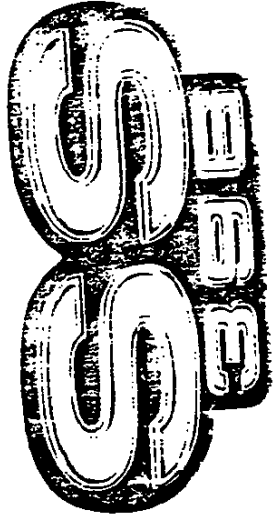
A distinctive new hood, special front grille and rear cove paint treatments, wide oval tires and side paint stripes identify the Chevelle SS 396 as a member of the Chevrolet Super Sport performance family. Complementing the extensive new styling lines of all Chevelle models, the raised center portion and simulated louvers of the new exclusive hood, the thin red tire striping, and the massiveness of the front and rear black paint treatments carry out the performance theme.

Side ornamentation includes wheel opening moldings, ribbed sill molding, and a new series nameplate while the engine emblem identifies use of Turbo-Jet 396 engine. At the front, the SS 396 emblem is continued from 1966 and the Chevelle

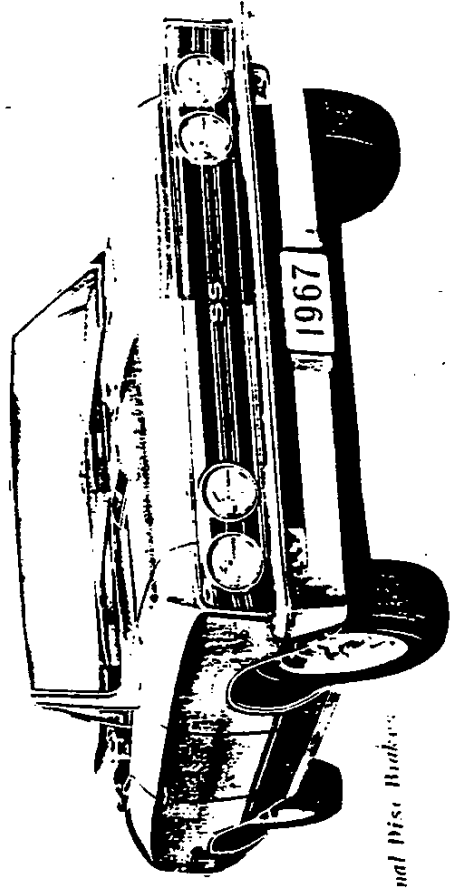
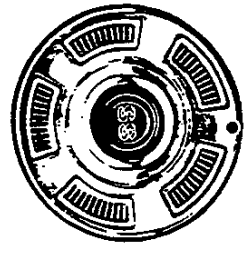
nameplate located low on the left front edge of the hood is new.

A black rear cove is highlighted by a centered SS 396 emblem. The new wrap-around tail lamps are framed by black paint continuing the treatment of the rear end panel. Wide paint stripes low on the body side are available optionally in place of the standard striping. Newly styled hub caps are standard equipment, and wheel trim covers with an exclusive center emblem are available optionally.

The standard all-vinyl interior with bench-type front seat is new in a choice of six colors. Strato-bucket seats are available optionally. The vinyl sidewalls are decorated with horizontal embossments and bright die-cast buttons. A special horn button cap, black crinkle painted upper instrument panel trim plate and "Super Sport" plaque on the instrument panel right side are identifying features of the SS 396 interior. Carpet floor covering and a luggage compartment mat are standard equipment.



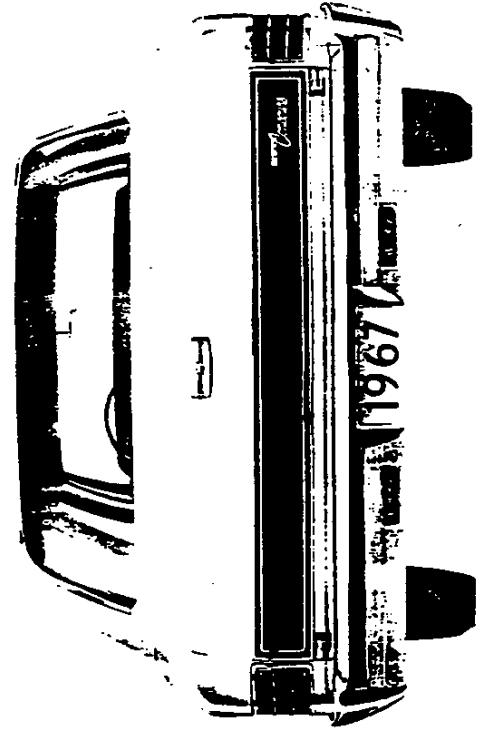
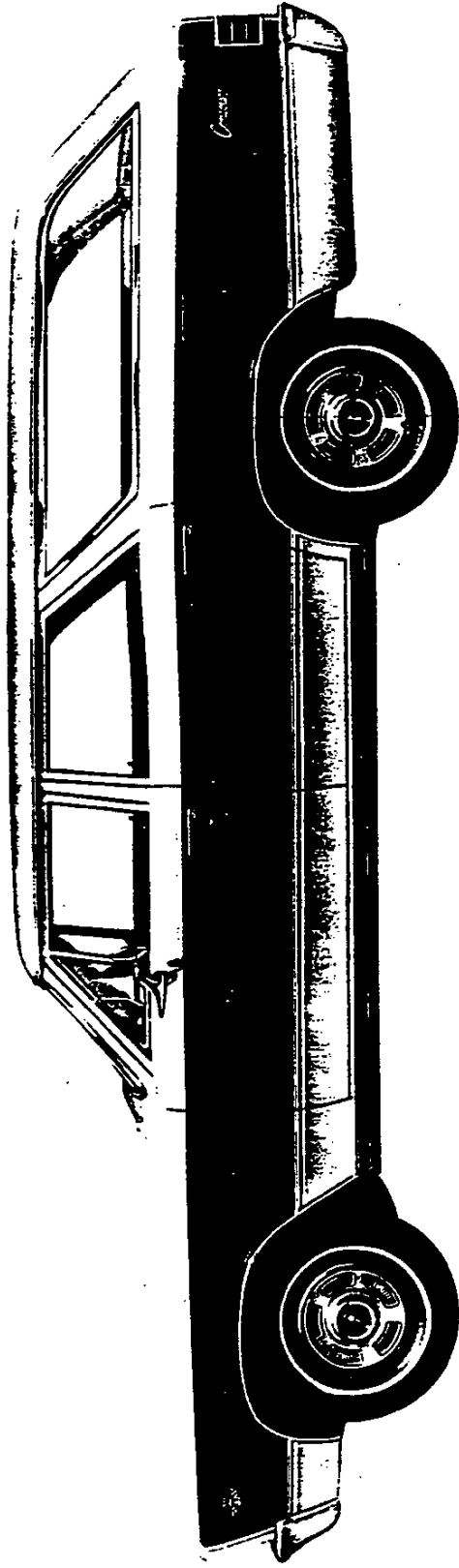
Optional Wheel Disk



Optional Disc Buckets

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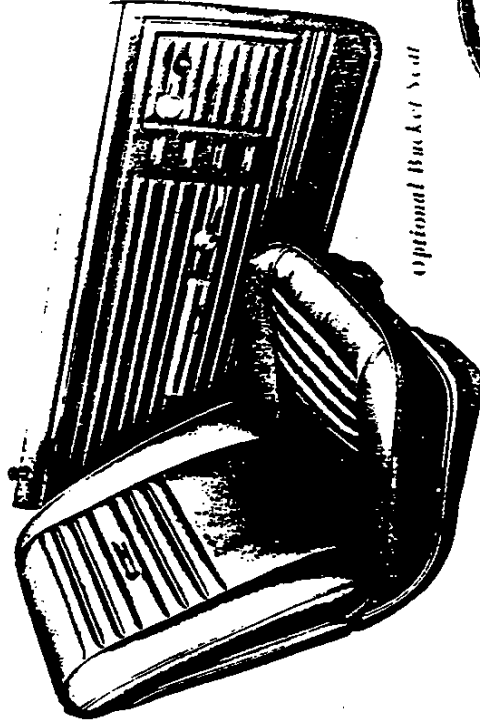
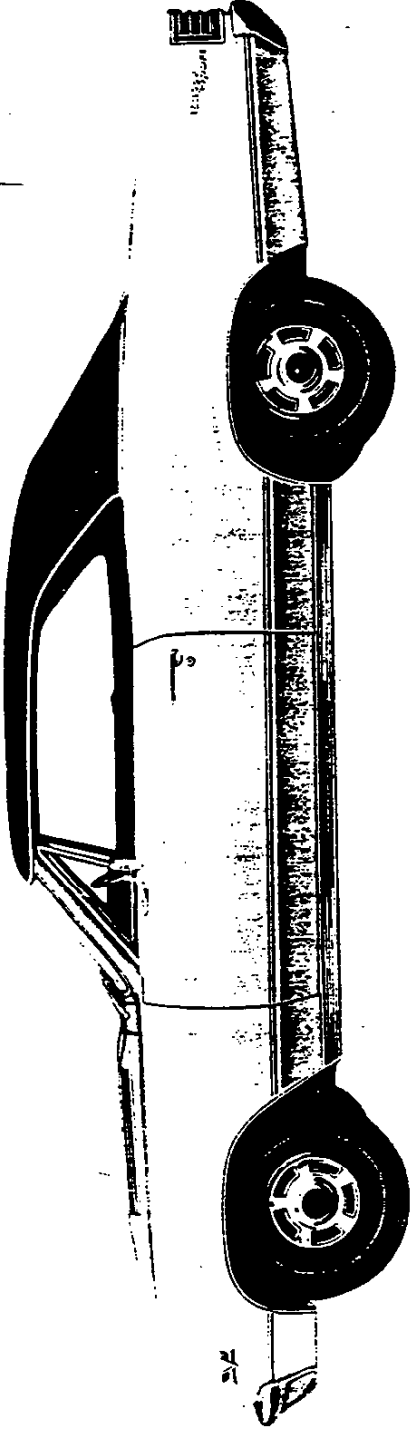
# CONCOURS



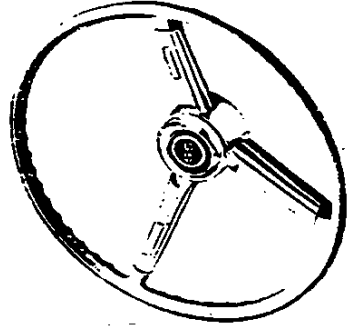
The new Concourse Station Wagon has rib-wood-grain panels framed by bright moldings on front fenders, body side, and tailgate. The "Concourse" nameplate in bright script on the rear quarter panel and a "Chevrolet Concourse" nameplate on the tailgate provide identification of this new series. Wheel opening moldings, ribbed sill molding and black paint on the radiator grille complete the exterior ornamentation. Special wheel trim covers with the Concourse crest at the center are available optionally.



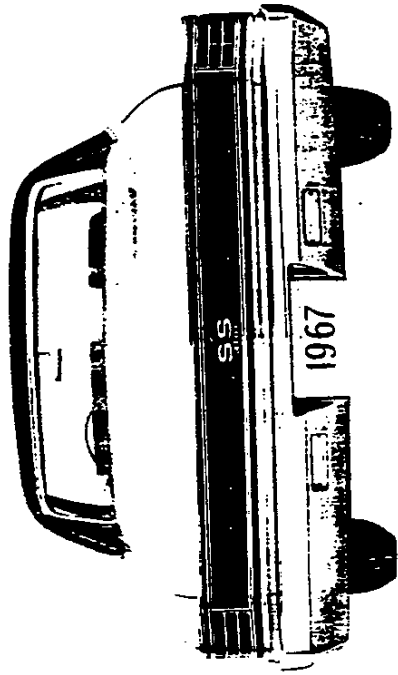
# CHEVELLE



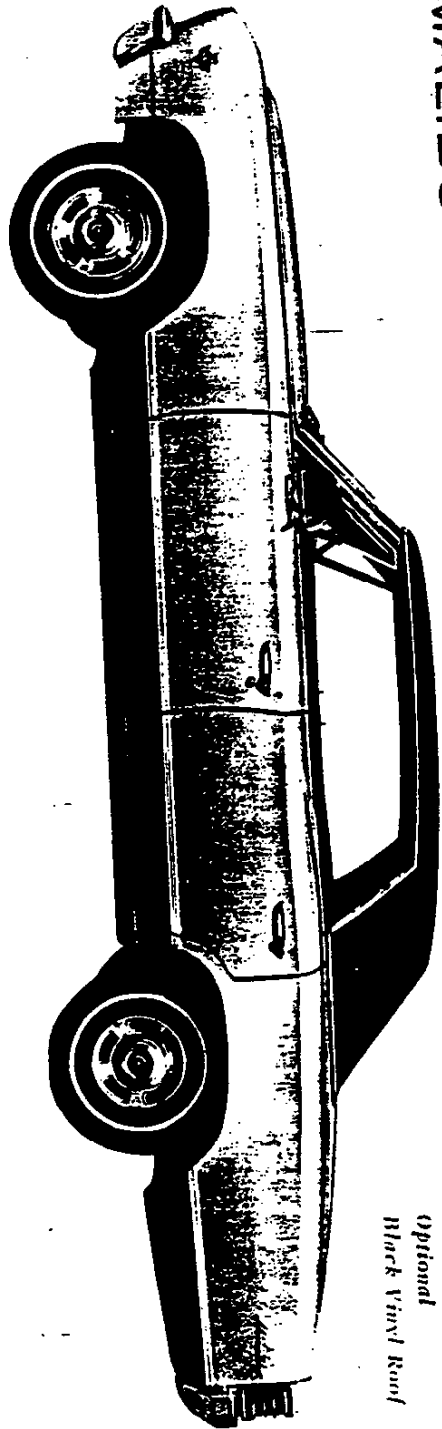
Optional Bucket Seat



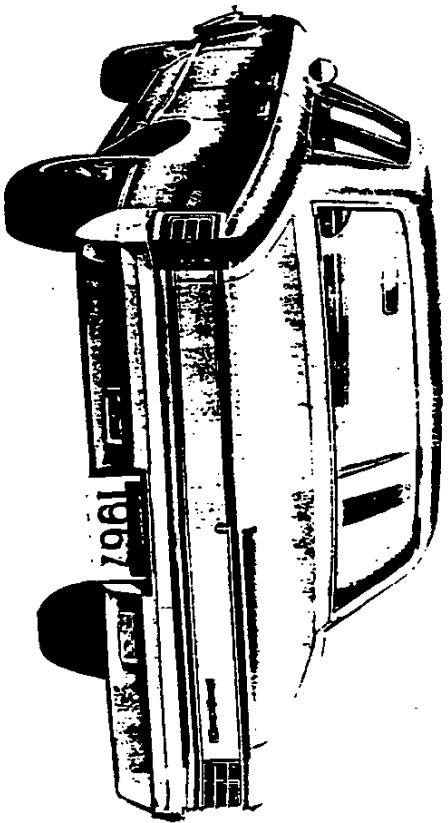
Optional Black Vinyl Roof



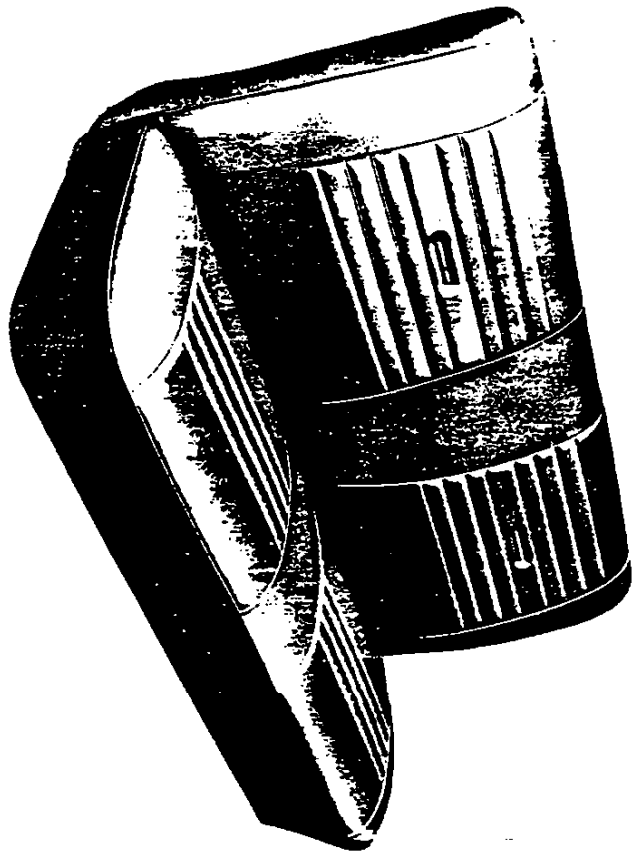
MALIBU



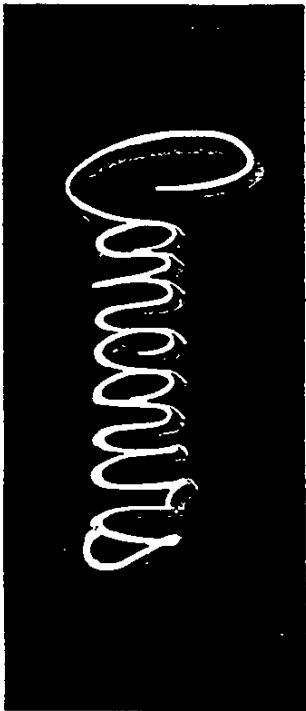
Optional  
Black Vinyl Roof



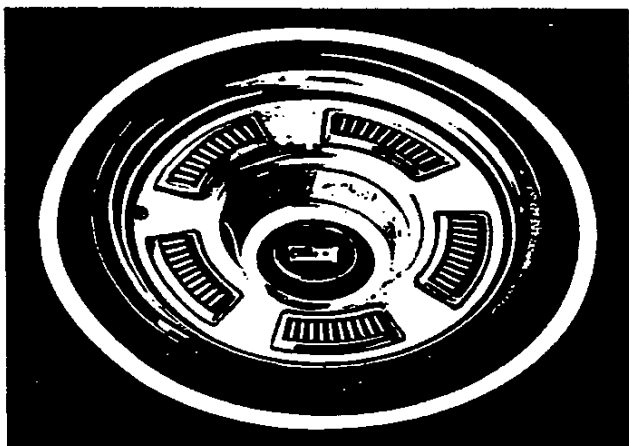
# CHEVELLE



*Optional Wheel Disk*

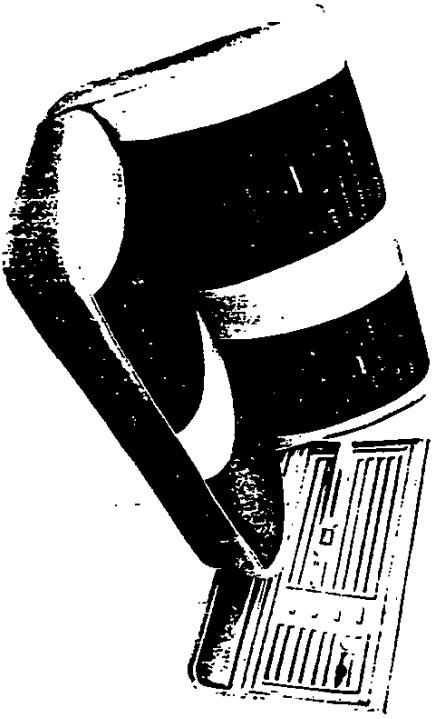
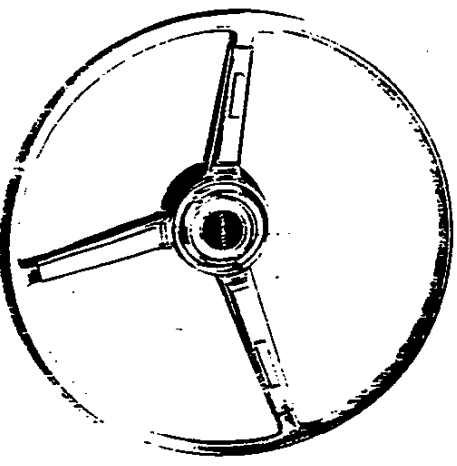
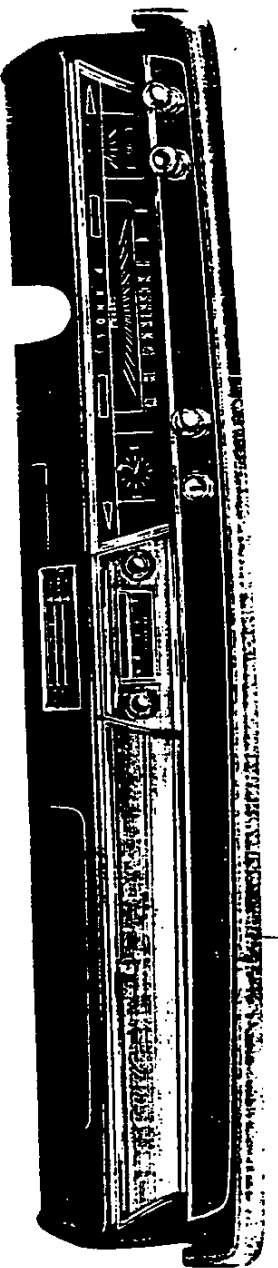


Special trim for the Concours Interior includes a "Concours" nameplate on the instrument panel above the glove compartment, and bright accents on the turn signal and shift control knobs. The upper instrument panel trim plate has a wood-grain trim. Seat and sidewall trim is all-vinyl, available in five colors.



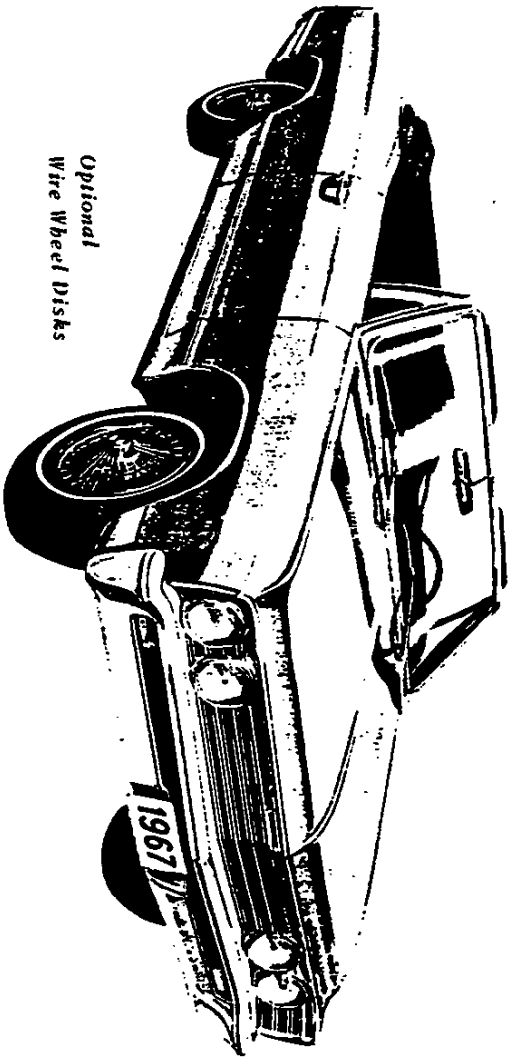
Wood-grained upper molding and bright right side trim plate give the instrument panel a new decorative theme. A new toll rate brake warning light is added to the cluster. Standard convenience items for Malibu models include a glove box lamp, lighted heater controls and a clock.

Three-spoke steering wheels are newly styled and feature a new 2-spoke design. A deluxe steering wheel for Malibu, Concord, and 88 are have horn blowing switches mounted in the two horizontal spokes.



Cloth interiors, from a choice of five colors, are available for the 4 door Sedan, Sport Coupe, and Sport Sedan Malibu models. In addition, an all-vinyl trim is available in three colors for the Sport Coupe and two colors for the Sport Sedan. All-vinyl interiors are used in six color choices for the convertible and five for the Station Wagon. Passenger compartment floor covering is deep-twist carpet, and the station wagon load floor has a vinyl coated rubber mat color-keyed to the interior trim. A luggage compartment mat is also provided.

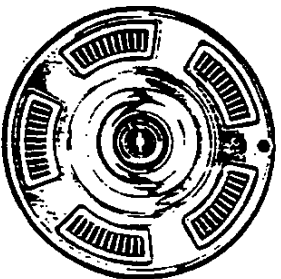
CHEVELLE



*Optional  
Wire Wheel Disks*

**CHEVELLE**

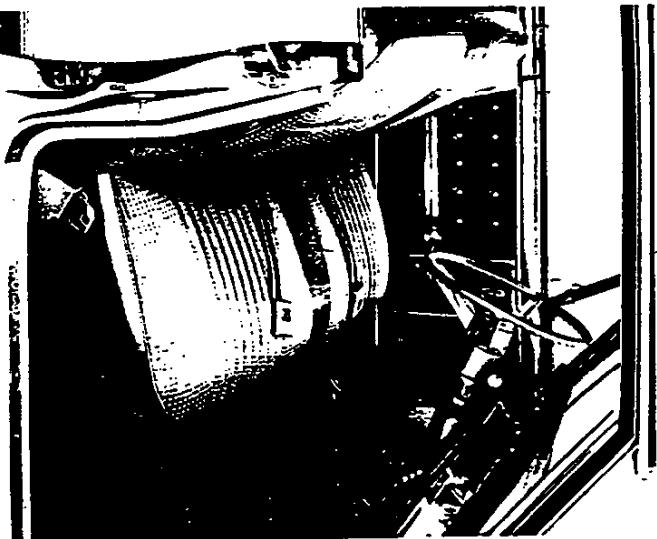
*Optional Wheel Disk*



Bright body side and rear quarter moldings, bright drip gutter moldings and rear quarter series nameplate decorate the Malibu profile. At the rear, a black paint filled molding surrounds the rear end panel and bright trimmed tail lights. A black paint filled molding also forms a full width rectangle on the station wagon tailgate. A Chevrolet nameplate is located at the right rear of all Chevrolet models. The radiator grille has bright horizontal bars and centrally located emblem.

# CHEVELLE

Luxurious cloth seats and special door sidewalls in four colors are introduced as a new option for the Malibu Sport Sedan. Seats are trimmed in pattern cloth with a textured vinyl center panel that carries an embossed emblem on the backrest. Two rows of vinyl covered buttons on the backrest and vertical stitching on seat and backrest complete the special seat trim. The central area of the door, trimmed in pattern cloth, carries the vertical stitch design of the seats, and a vertical band of textured vinyl highlighted by a die-cast emblem. The lower portion of the door sidewall is carpet matching the floor covering.



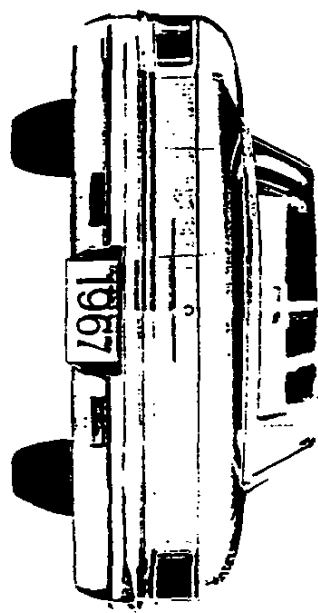
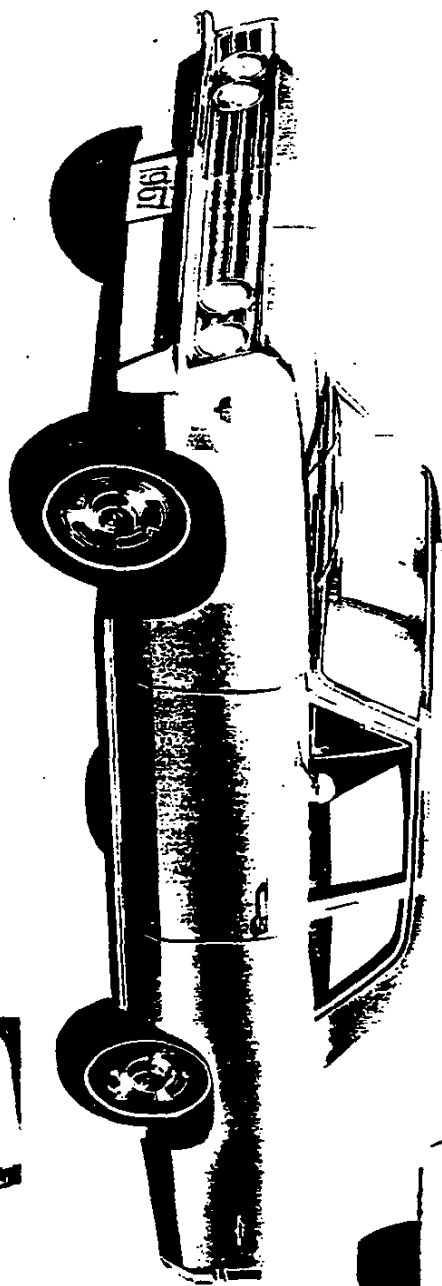
*Optional Sport Sedan Deluxe Interior*

Strato-bucket front seats, center floor console, and an instrumentation package are available as optional equipment on all Sport Coupe and Convertible models. The instrumentation package includes water temperature and oil pressure gauges in the right instrument cluster bezel, and a fuel gauge and ammeter in the left bezel. In addition, the oil temperature and generator-brake tell-tale lamps in the instrument panel are replaced with "BRIGHT" and "BRAKE" lamps respectively. An optional tachometer mounts outboard of the left instrument cluster bezel and the standard equipment clock mounts on the floor in the tunnel area or at the front of the optional floor console. Strato-bucket front seats feature slender styling, high backrest, horizontally stitched ribs and a die-cast button on the backrest.

*Optional Bucket Front Seats and Headrests Shown*

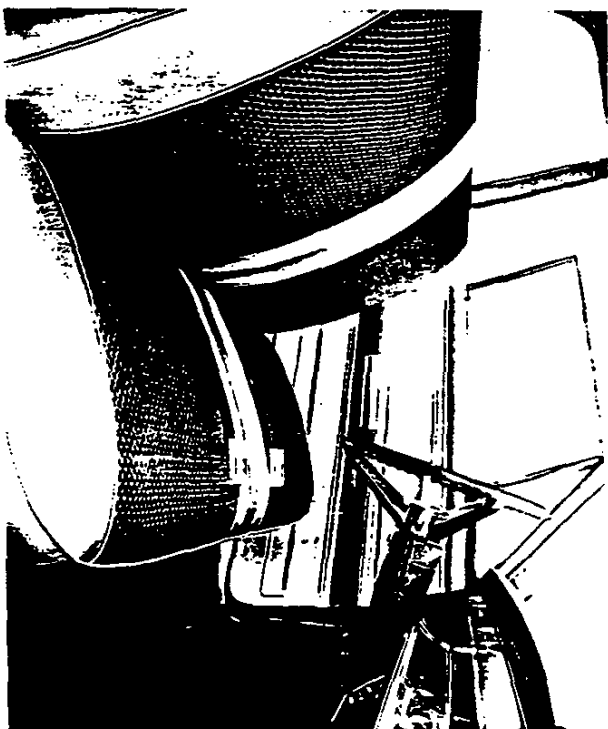


# CHEVELLE 300 DELUXE



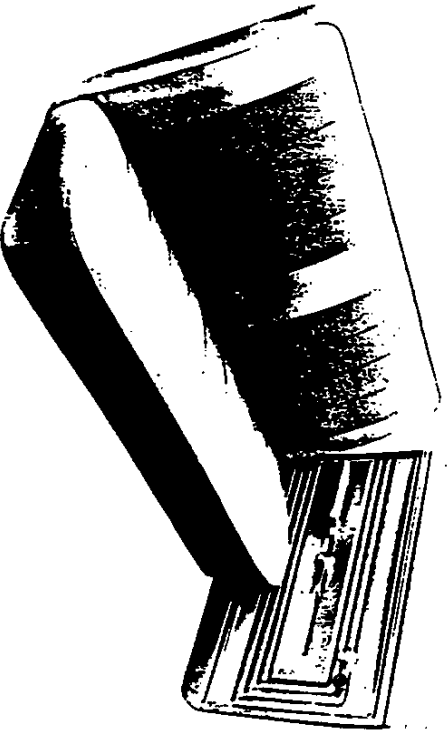
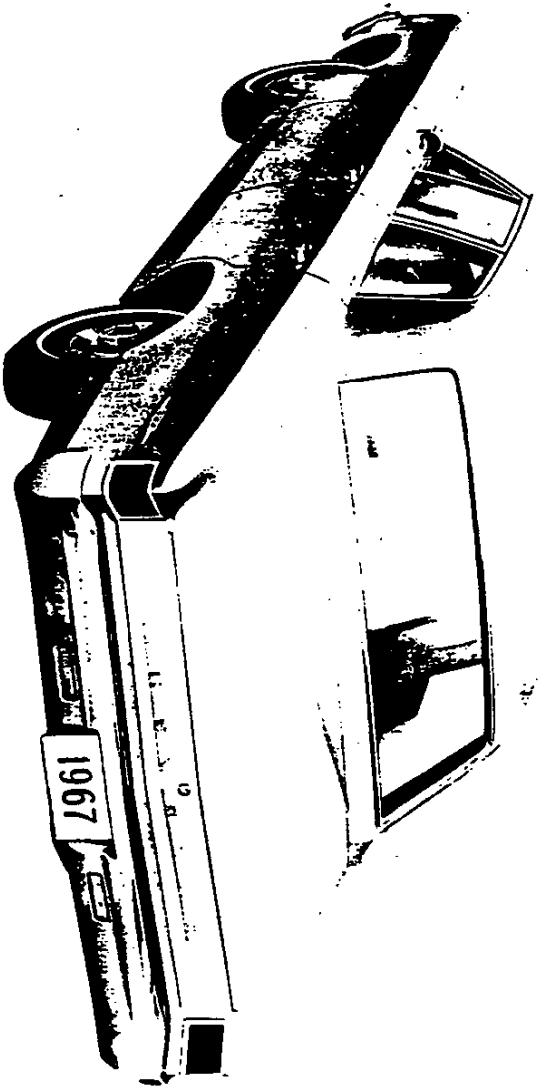
A rear quarter panel nameplate and a bright body still molding identify the Chevelle 300 Deluxe. Rear styling for sedan models includes an emblem at the center of the rear end panel and a bright bolt with molding continuing under the tail lamp bezels. A slender emblem is positioned at the center of the station wagon tailgate. Front appearance is the same as for the Malibu Series.

Interior features include a silver plated instrument panel upper trim molding and front door latch switches that operate the dome lamp. Interiors are available in three color choices for the sedan club interior and the station wagon all vinyl interior. All vinyl upholstered side walls and armrest, front and rear, are standard equipment. Passenger compartment and station wagon head front covering is vinyl coated cloth, color-keyed to the interior trim.



# CHEVELLE

## CHEVELLE 300



A rear quarter panel nameplate, bright ventipane frames, and windshield and rear window reveal moldings identify the Chevelle 300 series. The radiator grille is the same as for the Malibu Series. Ornamentation at the rear of the Chevelle 300 includes the new wrap-around tail lamps and a "CHEVELLE" nameplate at the center of the rear cove. Hack-up lamps for all Chevelle models are mounted in the rear bumper.

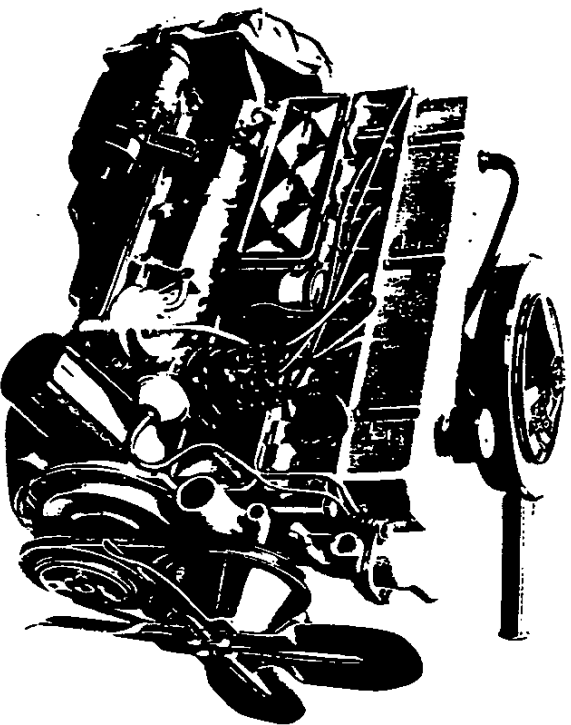
Two cloth interiors and an all vinyl black interior are available. Door trim panels are attractively embossed, and carry front door armrests with colored plastic bases. Floor covering is flat rubber.



## 1967 Chevrolet Features

### Engines

More powerful base and optional 6-cylinder assemblies highlight the 1967 Chevrolet engine story. The 140 horsepower 230 cubic inch L-6 engine is the new 6-cylinder unit, while the new optional L-6 selection is a 250 cubic inch assembly rated at 155 horsepower. Two standard and 3 optional 8-cylinder engines are carried over essentially unchanged, giving a power plant count of seven with a horsepower range of 140 to 350. For all models except SS 396, the 283 cubic inch V-8 unit continues as the base V-8. Two optional 327 cubic inch V-8 engines are again available; the gross power rating of the high performance version, introduced late in the 1966 model year, is 325, reduced from 350. The optional 4-barrel version of the 283 V-8 is not offered. For SS 396 models, the 325 horsepower 396 cubic inch Turbo-Jet V-8 continues as the standard engine. With the discontinuance of the optional mechanical lift special camshaft version of the 396 displacement Turbo-Jet, the top-of-the-line power plant for SS models becomes the previous 360 horsepower Turbo-Jet 396



NEW BASE 140 HORSEPOWER TURBO-THRIFT 230 L-6 ENGINE

V-8 now rated at 350 horsepower. Engine availability combines with a broad selection of transmissions for 23 different power teams.

New standard equipment features on all models include an energizer-type battery, an ignition switch affording greater theft protection, and a more durable fuel pump. A new extra-cost accessory is a speed warning device. Six-cylinder assemblies have a higher temperature thermostat, new

air cleaner element and relocated temperature sending unit. The standard V-8 and both L-6 engines have a new starter. The base 283 cubic inch V-8 and optional 275 horsepower 327 V-8 feature a refined valve train producing smoother and quieter operation.

The 1967 L-6 equipped Chevelles have spirited performance with minimum maintenance and excellent operational economy. The new standard 6-cylinder engine, the

## Power Trains

	COMPRESSION RATIO	EQUIPMENT	TRANSMISSION	MODEL APPLICATION	STANDARD AXLE RATIO
Turbo-Thrift 230 140 HP 6-Cylinder 230 Cubic Inch	8.5-10-1	1-Barrel Carburetor	3-Speed Heavy-Duty 3-Speed	All except SS 396 Sedans and Coupes Station Wagons and Pickups	3.36-10-1
			Overdrive		3.70-10-1
			Powerglide		3.08-10-1 $\phi$ 3.36-10-1
Turbo-Thrift 250 155 HP 6-Cylinder 250 Cubic Inch	8.5-10-1	1-Barrel Carburetor	3-Speed Heavy-Duty 3-Speed	All except SS 396 Sedans and Coupes Station Wagons and Pickups	3.08-10-1
			Overdrive		3.70-10-1
			Powerglide		3.08-10-1 3.36-10-1
Turbo-Fire 283 195 HP V-8 283 Cubic Inch	9.25-10-1	2-Barrel Carburetor	3-Speed Heavy-Duty 3-Speed	All except SS 396	3.00-10-1
			Overdrive		3.70-10-1
			Powerglide		3.08-10-1
Turbo-Fire 327 275 HP V-8 327 Cubic Inch	10.0-10-1	4-Barrel Carburetor	3-Speed Heavy-Duty 3-Speed	All except SS 396	3.08-10-1
			Overdrive		
			Powerglide		
Turbo-Fire 327 325 HP V-8 327 Cubic Inch	11.0-10-1	4-Barrel Carburetor	Heavy-Duty 3-Speed	All except SS 396	3.31-10-1
			4-Speed (2.52:1 low)		
			4-Speed (2.20:1 low)		
Turbo-Jet 396 325 HP V-8 396 Cubic Inch	10.25-10-1	4-Barrel Carburetor	Heavy-Duty 3-Speed	SS 396 and Pickups	3.31-10-1
			4-Speed (2.52:1 low)		
			Powerglide Turbo Hydra-Matic		3.07-10-1 2.73-10-1
Turbo-Jet 396 350 HP V-8 396 Cubic Inch	10.25-10-1	4-Barrel Carburetor	Heavy-Duty 3-Speed	SS 396 and Pickups	3.55-10-1
			4-Speed (2.52:1 low)		
			4-Speed (2.20:1 low) Powerglide Turbo Hydra-Matic		3.31-10-1 3.07-10-1 3.07-10-1

$\phi$  - 2.73:1 Standard, 3.08:1 Optional when RPO K19 is specified.

140 horsepower 230 cubic inch unit, increases base L-6 output by almost 17 percent. Similarly, the optional six, a 155 horsepower 250 cubic inch power plant, increases output by almost 11 percent over the previous optional unit. New features of both engines include new air cleaner element, new coolant temperature sending unit location, and increased temperature thermostat. The new air cleaner element is oil wetted paper. Replacing the polyurethane material of last year, the new element has superior filtering efficiency, producing cleaner combustion air. The coolant temperature sending unit is now located near the top of the cylinder head adjacent to the exhaust port. Inherently one of the hotter areas of the L-6 design, the new location senses an abnormally high operating temperature sooner and more reliably. The new thermostat opens at 195 degrees F, replacing the 180 degree F unit of the previous year. Introduced basically to achieve faster engine warm-up, the new thermostat also elevates oil operating temperature. Vaporization of harmful contaminants results, promoting improved engine durability.

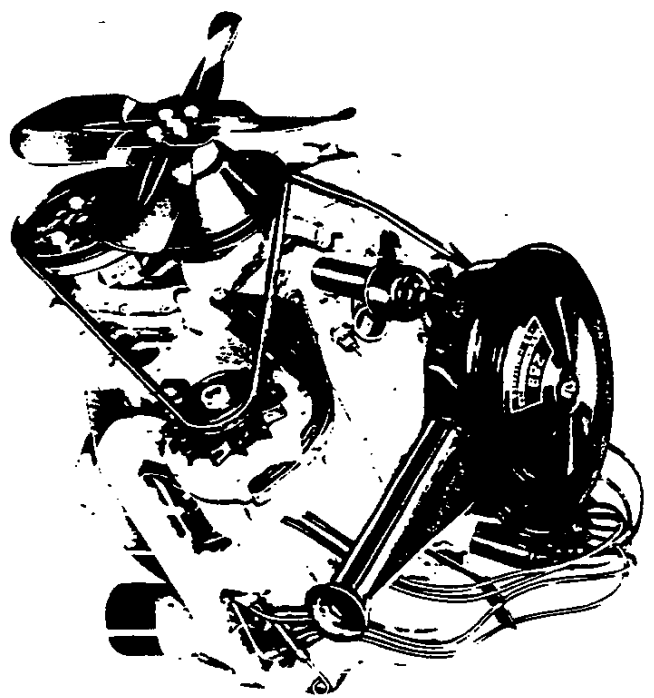
All Chevrolet models have a new energy type battery. Unlike the conventional source which has cell connectors in the cover, the energizer design features through the partition cell connectors. Fabricating the electrical circuit in this manner decreases the internal resistance, placing more usable power across the terminals.

All energizers have a "window" for observing electrolyte level. A plastic rod, integral with the second vent cap from the positive post, flows when the electrolyte in that cell is low. Characteristically, this is the first cell to need attention.

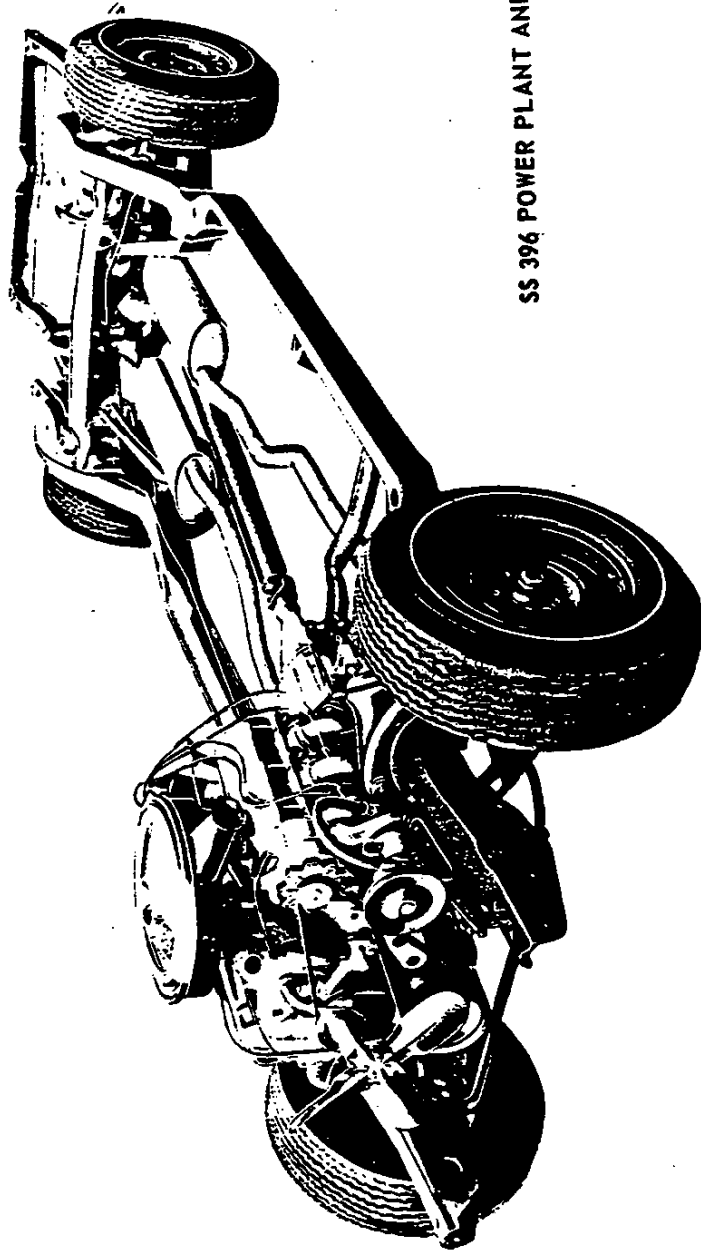
New starters for the 6-cylinders and standard V-8 are more efficient electrically. By reducing motor field losses, more energy is available for starting. Teamed with the new energizer battery, cranking speed is faster, benefiting hot starts particularly.

All engines feature a new, permanently scaled fuel pump of simplified design and improved durability. With use of a new extra large diaphragm, excellent uniformity of fuel flow is achieved without need of a separate pulsator diaphragm, and hot weather engine operation is improved by more rapid disposal of fuel vapors. Quieter operating valve trains with im-

proved durability result from component revisions and a new camshaft in 283 and 275 horsepower 327 V-8 units. Newly developed cam profiles increase valve open durations and effect more gradual decelerations during valve closing, reducing impact as valve faces contact seats in the cylinder head. To further enhance valve train operation, spring loads have been decreased in the closed position and slightly increased in the open position. In addition, a larger diameter spring stock reduces internal stress approximately 12 percent. A "sliced-roof" design incorporated into the valve cap top surface, improves oil drain-off.



BASE 195 HORSEPOWER TURBO-FIRE 283 V-8 ENGINE



SS 396 POWER PLANT AND CHASSIS

## Chassis

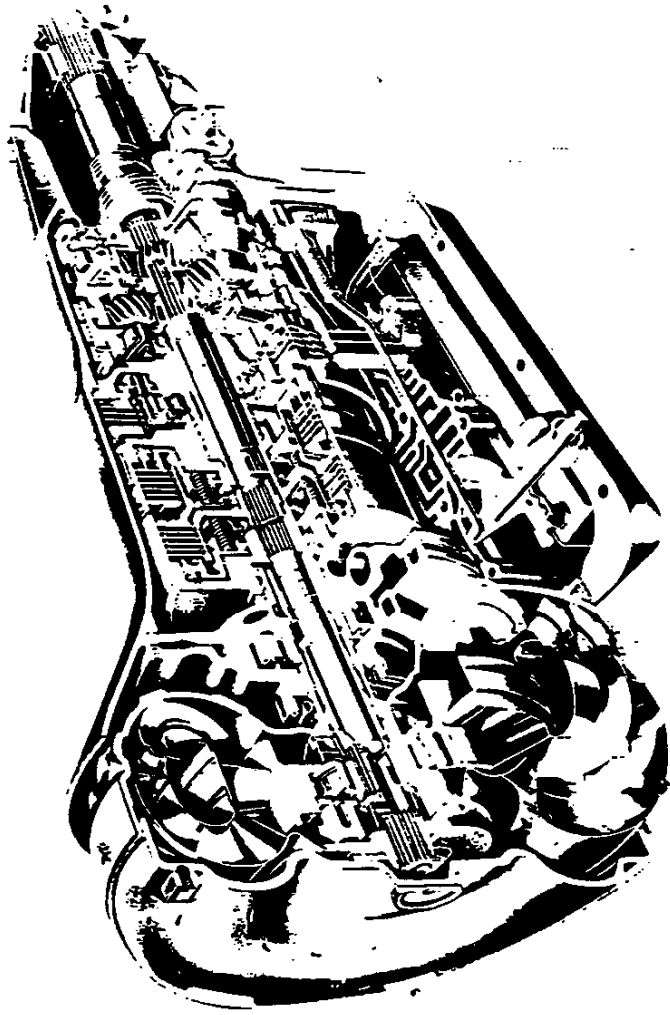
In general, the 1967 Chevelle chassis is a continuation of the previous design, but with numerous refinements and improvements. Included are all safety items common to other Chevrolet lines for 1967 and a larger standard tire size for many models. Front wheel disc brakes and wheel tires are new performance options.

The new front wheel disc brake is available on all Chevelle models. Highly

compatible with the requirements of high-speed, heavy-duty operation, the new option features smooth, fade-free, linear effort stopping. Generally, the Chevelle disc brakes are similar to those available on the regular Chevrolet models. Special slotted, 14 x 5 or 14 x 6 inch wheels are provided to ensure efficient brake cooling. Four-piston callipers are utilized, with each piston 2.06 inches in diameter. The cast

iron rotors are 11 inches in diameter, and 1 inch wide. A metering valve is used to balance out the front and rear application forces.

The disc brake option includes the new, larger 9-1/2 inch diameter power brake vacuum unit which is also available optionally with the conventional braking systems. The new vacuum unit, in addition to being more durable, achieves reduced pedal effort



**TURBO HYDRA-MATIC**

## Transmissions

A complete selection of transmissions is available for Chevelle, highlighted by the introduction of Turbo Hydra-Matic as an option for SS 396 models.

Turbo Hydra-Matic is ideally suited to use in the performance-oriented SS 396 models, offering smooth, responsive automatic shifting through three forward speeds. The basic characteristics of Turbo Hydra-Matic — greater overall torque multiplication, extended intermediate gear range for acceleration and as an ideal passing gear, and quieter operation through lower engine

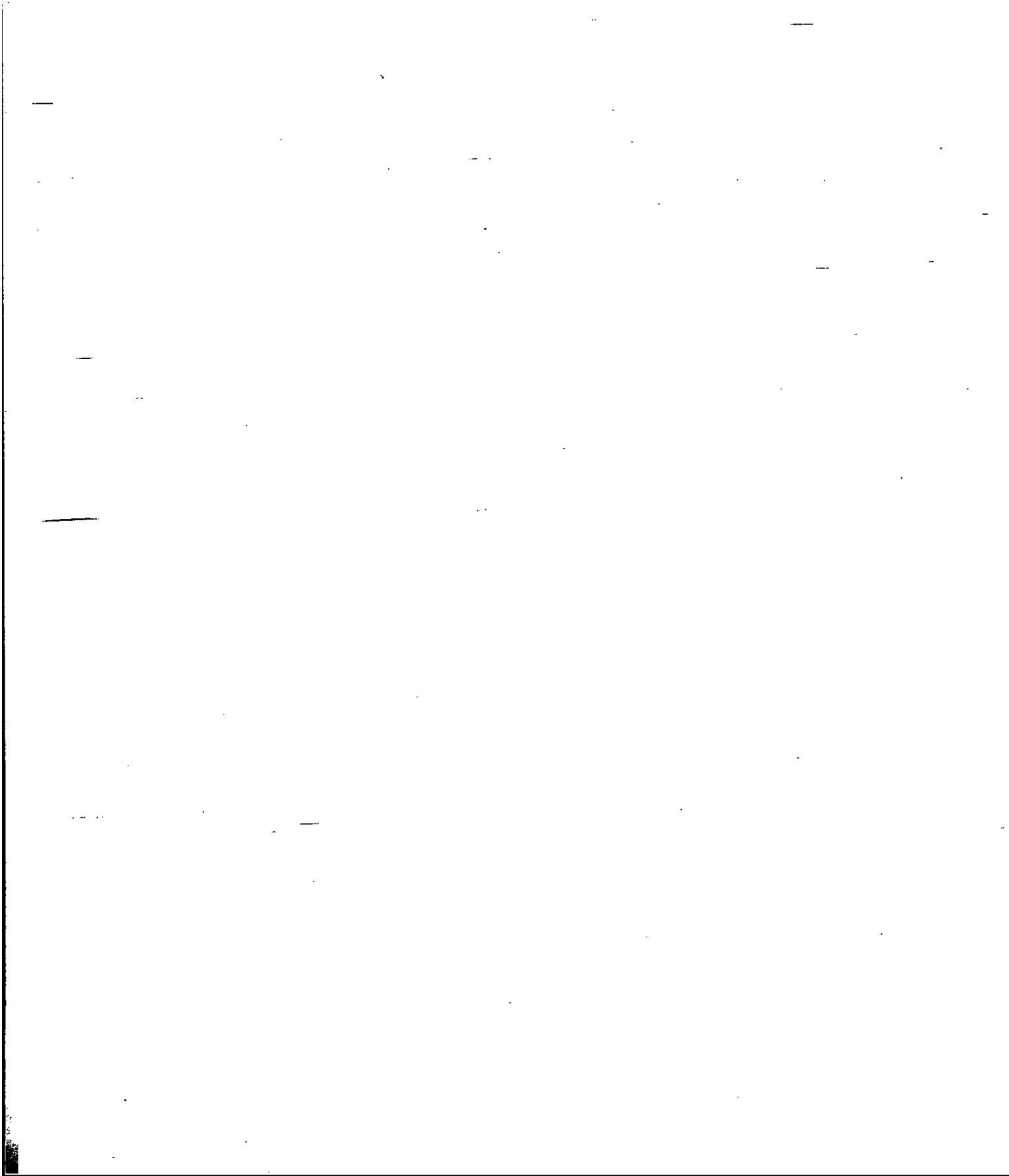
and driveline rotational speeds all serve to increase the performance and pleasability of these top-of-the-line Chevelle models.

Further, with the greater torque multiplication available in the lower speed range, a lower numerical rear axle ratio may be used for excellent fuel economy. Shift controls are mounted on the steering column as standard equipment, with floor-mounted controls included as part of the floor console option. The heavy duty 3-speed manual transmission, with floor-mounted controls, is continued as standard

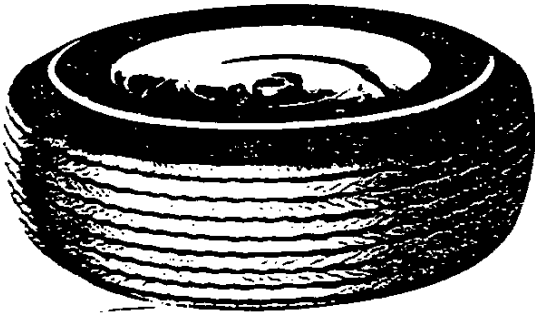
equipment for SS 396 models, with 4-speed manual and Powerglide as options.

For all other Chevelle models, transmission selections are the same as 1966 and include the 3-speed fully synchronized manual unit as base equipment and the 3-speed heavy duty manual transmission with floor mounted controls, 4-speed manual and Powerglide as regular production options.

Chevelle rear axle options are expanded to include economy, performance and special ratios for virtually all power trains.



# CHEVELLE

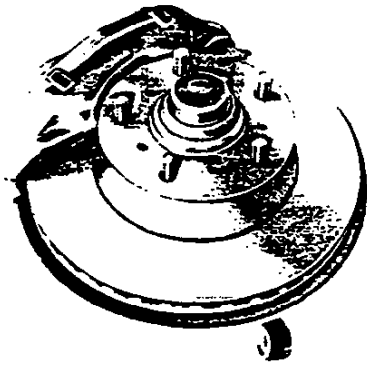


NEW WIDE OVAL TIRE

over a wider range of braking conditions. The increased power capacity is especially advantageous during heavy-duty braking.

A new NF nylon tire is standard on SS 396 series and optional on all other models except station wagons. Characterized by a large oval cross section, the new unit is mounted on a 14x6 inch wheel. A distinctive appearance is achieved by stylizing the side wall with a red or white stripe. The new tire, a 4 ply rating 2 ply unit, carries the new size designation "F70-14." The letter is an arbitrary capacity designation, with the higher alphabetical order denoting the higher load carrying ability. The first two numerals are merely the ratio of the tire cross-sectional height to its width. In this case

NEW FRONT WHEEL DISC BRAKE OPTION

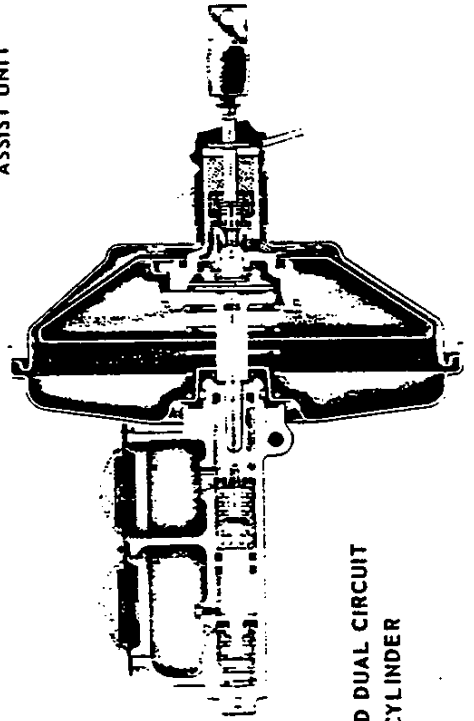


it is .70. The third and fourth numerals are merely the tire nominal size or bead diameter.

Other tire features include replacing the 6.95-14 unit, previously base on many models, with a larger 7.35-14 size. Also, inflation pressures have been simplified by providing a single, preferred recommendation for each model. Adequate for any load to full rated load, the new recommendation is provided as a choice to achieve convenient pressure maintenance.

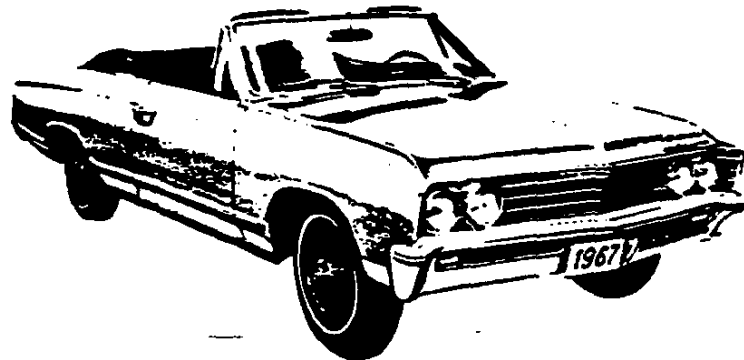
Other features include a new hydraulic steering pump, achieving better operation with reduced maintenance, through a larger diameter pulley shaft and sturdier shaft bushing. In addition to more positive pulley retention, longer shaft seal life results.

NEW LARGER POWER ASSIST UNIT



STANDARD DUAL CIRCUIT MASTER CYLINDER

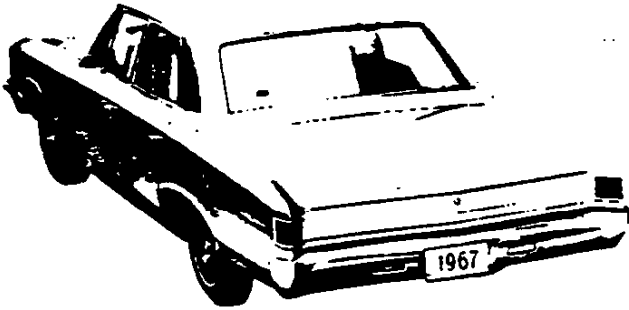
# GENERAL



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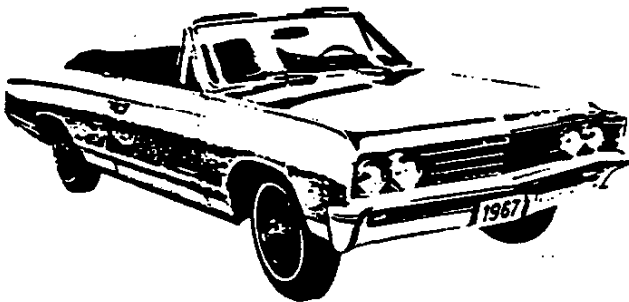


## MODEL IDENTIFICATION



### CHEVELLE 300 DELUXE 133-13400 SERIES

MODEL 133-13411 2-DOOR SEDAN, 6-PASSENGER  
MODEL 133-13435 4-DOOR STATION WAGON, 2-SEAT  
MODEL 133-13469 4-DOOR SEDAN, 6-PASSENGER  
MODEL 133-13480 2-DOOR SEDAN PICKUP 3-PASSENGER



### MALIBU 135-13600 SERIES

MODEL 135-13617 2-DOOR SPORT COUPE, 5-PASSENGER  
MODEL 135-13635 4-DOOR STATION WAGON, 2-SEAT  
MODEL 135-13639 4-DOOR SPORT SEDAN, 6-PASSENGER  
MODEL 135-13667 2-DOOR CONVERTIBLE, 5-PASSENGER  
MODEL 135-13669 4-DOOR SEDAN, 6-PASSENGER  
MODEL 135-13680 2-DOOR SEDAN PICKUP, 3-PASSENGER

### SUPER SPORT 396 13800 SERIES

MODEL 13817 2-DOOR SPORT COUPE, 5-PASSENGER  
MODEL 13867 2-DOOR CONVERTIBLE, 5-PASSENGER



### CONCOURS 137-13800 SERIES

MODEL 137-13835 4-DOOR STATION WAGON, 2-SEAT



# SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

## VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model	Model Year	Assembly Plant (Atlanta)	Unit Number (25th unit)
13369	1967	A	100025

Thus: The 25th model built at Atlanta would be serial number 133697A100025

8-Cylinder Example:

Model	Model Year	Assembly Plant (Atlanta)	Unit Number (26th unit)
13469	1967	A	100026

Thus: The 26th model built at Atlanta would be serial number 134697A100026

### ASSEMBLY PLANTS

A - Atlanta	G - Framingham
B - Baltimore	K - Kansas City
	Z - Fremont

Starting unit number ----- 100001 and up at each assembly plant  
 Location ----- Stamped on plate attached to left front body hinge pillar

## • TRANSMISSION IDENTIFICATION

Example: S7E01

Plant and Type Designation	Production Month & Date
S	501D*

Prefix	Plant	
O	Saginaw	3-speed overdrive
S	Saginaw	3-speed
R	Saginaw	4-speed
P	Muncie	4-speed
C	Cleveland	Powerglide
T	Toledo	Powerglide
CC	Ypsilanti	Turbo Hydra-Matic

Location:  
 3-Speed & 4-speed & overdrive ----- Stamped on right hand side of the case in the upper forward corner.  
 4-Speed ----- Stamped on the top right side of the case.  
 Powerglide ----- Stamped on right hand side of the pan.  
 Turbo Hydra-Matic ----- Name plate tag on right hand side of the case.

○ - Month: 5 denotes May; 01 denotes 1st day.  
 \* - The letter "D" or "N", following the date numerals, indicates day or night shift.

## ENGINE IDENTIFICATION

Example: F 1210 AA

Source Designation	Production* Month and Date	Type Designation
F (Flint)	1210	AA

230 Cubic inch 6-cylinder

CA - Regular engine, 3-speed  
 CC - Regular engine, Powerglide

250 Cubic inch 6-cylinder (RPO L22)

CM - Optional engine, 3-speed  
 CQ - Optional engine, Powerglide

283 Cubic inch 8-cylinder

DA - Regular engine, 3-speed  
 DE - Regular engine, Powerglide

327 Cubic inch 8-cylinder (RPO L30)

EA - Optional engine, 3-speed, 4-bbl. carb.  
 EE - Optional engine, Powerglide

327 Cubic inch 8-cylinder (RPO L79)

EP - Optional engine, speed, 4-bbl. carb.

396 Cubic inch 8-cylinder (RPO L35)

ED - Optional engine, 3-speed, 4-bbl. carb.  
 EK - Optional engine, Powerglide  
 ET - Optional engine, Hydra-Matic

• 396 Cubic inch 8-cylinder (RPO L34)

EF - Optional engine, 3-speed, 4-bbl. carb.  
 EL - Optional engine, Powerglide  
 EU - Optional engine, Hydra-Matic

Location:  
 6-cylinder ----- Stamped on pad on right side of cylinder block to rear of distributor  
 8-cylinder ----- Stamped on pad at front right side of cylinder block

\* - Month: December, 12; 10th day of December, 10

## REAR AXLE IDENTIFICATION

Example: CA 0212 B

Type Designation	Production* Month and Day	Source† Designation
CA	0212	B

CA ----- 3.08 ----- 3-speed, 4-speed, and Powerglide transmission  
 CV ----- 3.70 ----- Overdrive transmission  
 CZ ----- 2.73 ----- Turbo Hydra-Matic

Location: ----- Stamped on right or left axle tube adjacent to differential carrier

\* - Month: February, 02; 12th day of February, 12  
 † - G - Gear & Axle, B - Buffalo, W - Warren

# REGULAR EQUIPMENT—EXTERIOR

Bright Metal Trim & Moldings	Stainless Steel	Rear window reveal molding	All exc. convertibles
		Hub caps	All
		Rear belt reveal	135-136-13867
		Rear quarter window reveal	135-13635-137-13835
		Aluminum roof drip gutter	135-136-13800 exc. conv.
		Tailgate window side and upper reveal	Station wagons
		Aluminum tailgate molding - black paint filled	135-13635, 13835
		Windshield header and pillar molding	135-136-13867
		Windshield reveal	All
		Anodized Aluminum	Body side molding
	Body sill molding - ribbed, dark gray paint filled		137-13800
	Body sill molding - bright		133-13400
	Rear cove lower trim molding		133-13411-69
	Body side simulated wood trim moldings		137-13835
	Rear cove and tail light perimeter molding		135-13600, 13817-67 exc. 135-13635
	Rear quarter lower molding		135-13600
	Headlamp and tail lamp bezels		All
	Radiator grille opening moldings		All
	Radiator grille with dual headlamps		All
	Roof reveal molding (w/strip retainer)		135-13617-39, 13817
	Wheel opening moldings		137-13800
	Chrome Plated Metal		Front door vent channel and post
		Front door vent window frame	135-13617-39-67; 13817-67
		Front fender engine emblem(V8&opt.L6)	All
		Hood nameplate "Chevelle"	All
		Outside L.H. mirror	All
		Quarter window glass channel	135-13617-67; 13817-67
		Radiator grille emblem - slender	All exc. 13817-13867
		Radiator grille emblem - "SS 396"	13817-13867
		Rear cove or tailgate center emblem	135-13400
		Rear door window glass channel	135-13639
		Rear cove emblem - "SS 396"	13817-13867
		Rear cove area lettering - "Chevelle"	131-13200
		Rear quarter series nameplate	All
		Tailgate nameplate - "Chevelle"	135-13635
	Tailgate nameplate - "Chevrolet Concours"	137-13835	
	Back-up lamps - bumper mounted	All	
	Body side and tailgate simulated wood trim	137-13835	
	Body side paint stripe	13817-13867	
	Control - manual rear window	Station wagons	
Filler - left rear quarter gasoline	Station wagons		
Filler - hinged license plate gasoline	All exc. station wagons		
Hood simulated twin air scoops	13817-13867		
Lamp - rear license	All		
Rear quarter window reveal molding - painted	133-13435		
Top - counterbalanced manual folding	Convertibles		
Wipers, windshield - 2-speed electric, with washers, satin-chrome hardware	All		

## REGULAR EQUIPMENT—INTERIOR

Bright Metal Trim & Moldings	Front seat back lock handles	2-door models	
	Door and window control handles - colored plastic knobs	All	
	Door sill plates	All	
	Front door armrest - bright base	135-136-137-13800	
	Radio hole cover plate - bright	135-136-137-13800	
	Rear view mirror, day-night padded frame	All	
	Roof side rail	135-13639-17-13817	
	Seat adjuster handle - bright	All	
	Sunshade supports	All	
	Brake system failure indicator, parking brake alarm	All	
	Cigarette lighter and ash tray	All	
	Electric clock	135-136-137-13800	
	Right side nameplate and trim plate	135-136-137-13800	
	Glove box lock	All	
Instrument Panel	Ignition lock and starter switch - "4 position"	All	
	Instrument cluster housing	All	
	Instrument panel knobs - "mushroom" type	All	
	Instrument panel right side trim plate	135-136-137-13800	
	Instrument panel upper trim plate - silver paint	133-13400	
	Instrument panel upper trim plate - wood-grained	135-13600;137-13835	
	Instrument panel upper trim plate - black paint	13817-13867	
	Speedometer - odometer - fuel gauge	All	
	Temperature - oil pressure -amps warning lights	All	
	Vent control knobs - "mushroom" type	All	
	Interior Lights	Glove box	135-136-137-13800
		Instrument panel courtesy - dual	135-136-13867
		Roof center dome	All exc 135-13667, 13867
	Steering Wheel	3-Spoke, horn button	131-13200
3-Spoke, horn button and ornaments		All exc 131-13200	
Armrests with ash trays - rear door or quarter panel	All exc 131-13200		
Coat hooks (2) - soft plastic, colored	All exc convertible		
Cover - spare tire	Station wagons		
Four-way hazard flasher	All		
Freeway lane change signal	All		
Front door armrest - colored plastic base	131-132-133-13400		
Heater - deluxe	All		
Lighted heater controls	135-136-137-13800		
Load floor mat, vinyl coated rubber	Station wagons		
Locking knob - front and rear door	All		
Luggage compartment splatter paint	All exc wagons		
Luggage compartment mat	135-136-13800 exc wagons		
Passenger compartment floor mats - carpet	135-136-137-13800		
Passenger compartment floor mats - vinyl coated rubber	133-13400		
Passenger compartment floor mats - black rubber	131-13200		
Radio hole cover plate - painted	131-132-133-13400		
Seat belts, front and rear	All		
Sunshades - dual vinyl padded	All		
Switch - front door jamb	All exc 131-13200		
Switch - manual interior light (integral in headlamp switch)	All		

## REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO /ACC	Models
Air conditioning, Comfort-Car	ACC	13000
Air conditioning, Four-Season	C60	13000
Air deflector, rear window	C51 ACC	13000 wgn
Air injection reactor equipment	K19	13000
<b>Appearance Guard Group (Items available as a group or as separate options)</b>		
Custom deluxe front and rear seat belts (with front retractors)		13000 exc pickup
Custom deluxe front seat belts		133-134-135-13680
Door edge guards		13000 exc 137-13335
Front bumper guards		13000
Rear bumper guards		13000 exc wgn & pickup
Rubber twin front and rear floor mats		13000
<b>Auxiliary Lighting Group (Items available as a group or as separate options)</b>		
Ash tray lamp		13000
Glove box lamp		131-132-133-13400
Instrument panel courtesy lamps		13000 exc conv
Luggage compartment lamp		13000 exc wgn & pickup
Underhood lamp		13000
Battery, heavy duty	T60	13000
Brake linings, sintered-metallic	J65	132-134-136-13800
Brakes, front wheel disc	J52	13000
Brakes, power	J50 ACC	13000
Carrier cover, roof luggage	ACC	13000 wgn
Carrier, deck lid luggage	ACC	13000 exc wgn & pickup
Carrier, roof luggage	V55 ACC	13000 wgn
Carrier, ski equipment (deck lid)	ACC	13000 exc wgn & pickup
Carrier, ski equipment (roof luggage carrier)	ACC	13000 wgn
Carrier, ski equipment (roof clamp-on type)	ACC	13000 exc conv
Clock, electric	U35 ACC	131-132-133-13400
Clutch, heavy duty	M01	13000 exc 13817-67
Compass, auto	ACC	13000
Console, front compartment	D85	135-13617-67-80, 13817-67
Cruise Control	K30 ACC	132-134-136-13800
Deflectors, rain	ACC	13000 4-door
Defroster, rear window	C50 ACC	13000 exc conv, wgn & pickup
Emergency road kit	ACC	13000
<b>Engines</b>		
155 hp Turbo-Thrift 250 cu.in. L-6	L22	131-133-135-13700
275 hp Turbo-Fire 327 cu.in. V-8	L30	132-134-13600, 13835
325 hp Turbo-Fire 327 cu.in. V-8	L79	13000 exc 13817-67
325 hp Turbo-Jet 396 cu.in. V-8	L35	134-13680
350 hp Turbo-Jet 396 cu.in. V-8	L34	134-13680, 13817-67
Engine ventilation, closed positive	K24	13000
Exhaust system, dual	N10	132-134-13600, 13835
Fan, temperature controlled	K02 ACC	132-134-136-13800
Fire extinguisher	ACC	13000
Floor mats, clear vinyl twin front and rear	ACC	13000
Floor mats, rubber twin front and rear	B37 ACC	13000
Generator, Delcotron (12-42 amp)	K79	13000
Generator, Delcotron (61 amp)	K76	13000
Glass, tinted window	A01	13000
Glass, tinted windshield	A02	13000
Guards, door edge	B93 ACC	13000 exc 137-13835
Guards, front bumper	V31 ACC	13000
Guards, rear bumper	V32 ACC	13000 exc wgn & pickup

## REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO /ACC	Models
Headrest, conventional type front seat	A82	13000
Headrest, Strato-ease special contour front seat	A81	135-13617-67-80, 13817-67
Heater-defroster deletion	C48	13000
Horn, low "D" note	U03 ACC	133-134-135-136-137-13800
Instrument panel gauges	U14	13617-67-80, 13817-67
Lamp, ash tray	U28 ACC	13000
Lamp, glove box	U27 ACC	131-132-133-13400
Lamp, luggage compartment	U23 ACC	13000 exc wgn & pickup
Lamps, instrument panel courtesy	U29 ACC	13000 exc conv
Lamp, underhood	U26 ACC	13000
Litter container, instrument panel mounted	ACC	13000
Litter container, saddle type	ACC	13000
Lock, gas filler cap	ACC	13000
Lock, spare wheel	ACC	13000
Locks, rear door safety	ACC	13000 4-door
Mirror, remote control outside rear view	D33	13000
Mirror, visor vanity	ACC	13000
Molding, door and window frame	B90	13000 4-door sed & wgn
Operating Convenience Group (Items available as a group or as separate options)		
Rear window defroster		13000 exc conv, wgn & pickup
Remote control outside rear view mirror		13000
Paint stripe, wide side	D96	13817-67
Radiator, heavy duty	V01	13000
Radio and front antenna, manual AM	ACC	13000
Radio and front antenna, push-button AM	U63 ACC	13000
Radio and front antenna, push-button AM-FM	U69 ACC	13000
Radio antenna, front fixed height	ACC	13000
Radio antenna, front manual	ACC	13000
Radio antenna, rear manual	U73 ACC	13000 exc wgn & pickup
Foundation Group (Items available as a group or as separate options)		
Deluxe foam front seat cushion		131-132-133-13400
Electric clock		131-132-133-13400
Push-button AM radio with front antenna		13000
Radio speaker, rear seat	U80 ACC	13000 exc pickup
Radio stereo	ACC	13000
Rear Axle		
2.73 ratio	G97	134-13680, 13817-67
3.07 ratio	H01	132-134-136-13800
3.08 ratio	G92	131-133-135-13700
3.31 ratio	G94	132-134-136-13800
3.36 ratio	G76	13000 exc 13817-67
3.55 ratio	G96	13000
3.70 ratio	G75	13000 exc 13817-67
3.73 ratio	H05	132-134-136-13800
Positraction	G80	13000
Roof cover, vinyl	C08	133-13480, 135-13617-39-80, 13817
Seat belt, rear center - used with custom deluxe seat belts	A15	13000 exc pickup, conv & sport coupe
Seat belt, rear center - used with standard seat belts	A68	13000 exc pickup, conv & sport coupe
Seat belts, custom deluxe front and rear (with front retractors)	A39	13000 exc pickup
Seat belts, custom deluxe front (with retractors)	A49	133-134-135-13680
Seat cushion, deluxe foam front	B55	131-132-133-13400

## REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO /ACC	Models
Seat pad, ventilated	ACC	13000
Seat, power 4-way bench	A41	133-134-135-136-137-13800 exc pickup
Seats, front Strato-bucket	A51	135-13617-67-80, 13817-67
Shock absorbers, Superlift air adjustable	G66	13000 exc pickup
Shoulder harness, front seat - used with custom deluxe seat belts	A85	13000
Shoulder harness, front seat - used with standard seat belts	AS1	13000
Speed warning indicator	U15	13000
Spotlamp, hand portable	ACC	13000
Spotlamp, remote control	ACC	13000
<b>Station Wagon Convenience Group (items available as a group or as separate options)</b>		
Power tailgate window		13000 wgn
Rear window air deflector		13000 wgn
Roof luggage carrier		13000 wgn
Steering, power	N40	13000
Steering wheel, deluxe	N30	131-132-133-13400
Steering wheel, tilt	N33	13000
Steering wheel, wood-grained plastic	N34	13000
Stereo tape player	U57 ACC	13000 exc pickup
Suspension, heavy duty front and rear	F40	13000
Tachometer	U16 ACC	132-134-136-13800
<b>Tires</b>		
7.35-14-4pr whitewall rayon	P58	13000 exc wgn & 13817-67
7.75-14-4pr whitewall rayon	P62	13000 exc 13817-67
7.75-14-4pr blackwall rayon	P65	13000 exc wgn & 13817-67
7.75-14-6pr blackwall rayon	T14	13000 wgn
7.75-14-8pr whitewall rayon	T15	13000 wgn
F70-14-4pr special nylon - white stripe	PW7	13000 exc wgn
F70-14-4pr special nylon - red stripe	PW8	13000 exc wgn & 13817-67
Tissue dispenser, instrument panel mounted	ACC	13000
Top, folding convertible	C05	135-136-13867
Top, power convertible	C06	135-136-13867
Trailer hitch	ACC	13000
Trailer wiring harness	ACC	13000
<b>Transmissions</b>		
Transmission overdrive (2.85:1 low ratio)	M10	13000 exc 13817-67
3-speed transmission, heavy duty (2.86:1 or 2.41:1 low ratio)	M13	13000 exc 13817-67
3-speed automatic transmission - Turbo Hydra-Matic (2.48:1 low ratio)	M40	134-13680, 13817-67
4-speed transmission (3.11, 2.54:1, 2.52:1 low ratios)	M20	132-134-136-13800
4-speed transmission, close ratio (2.20:1 low ratio)	M21	132-134-136-13800
Powerglide transmission (1.82:1 low ratio for L-6 and 283 V-8, 1.76:1 for 327 and 396 V-8)	M35	13000
Wheel trim covers	P01 ACC	13000
Wheel trim covers, mag-style	N96 ACC	13000
Wheel trim covers, simulated wire	P02 ACC	13000
Windows, power	A31	135-136-137-13800
Window, power tailgate	A33	13000 wgn

# AIR CONDITIONING EQUIPMENT

## FOUR SEASON (RPO C60)

Heater integrated; manually controlled by knobs on instrument control panel, that operate boween cables to activate various doors and switches to operate system.

## BASIC COMPONENTS

Evaporator, blower, condenser, receiver-dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems.

## EQUIPMENT (Used in addition to or in place of base equipment)

### CHASSIS

Front and Rear Springs ----- Heavy duty  
Rear Axle Ratio - Refer to Power Trains Section

### POWER TRAINS

Fan Blade ----- 5 blade  
Fan Clutch ----- Thermomodulated fluid coupling\*  
Crankshaft Pulley ----- Dual  
Water Pump & Fan Pulley ----- Dual  
Compressor & Crankshaft Belt ----- One\*  
Generator ----- 61 Ampere  
Radiator ----- Heavy duty  
Radiator Shroud, Fan Opening ----- Steel; 19.34 dia.\*

\* Additional equipment: also brackets, supports, braces, hoses, etc. as required for installation.

Heavy duty cooling equipment must be used on V-8 powered vehicles. It is recommended that this equipment also be used on all other vehicles for securing maximum air conditioning performance.



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# DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS .....	2
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STATION WAGON CARGO SPACE .....	2
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# INTERIOR DIMENSIONS

## FRONT-COMPARTMENT

CODE	DESCRIPTION	SEDANS		SPORT SEDANS	SPORT COUPES	CONVERTIBLES	STATION WAGONS	SEDAN PICKUP
		2-DR	4-DR					
H3	Seat cushion height					10.9		
H11	Entrance height	29.7		30.3		29.6		29.7
H13	Steering wheel thigh clearance				3.9			
H30	H point to heel point	8.2		7.7			8.2	
H32	Seat cushion deflection	4.2				4.4		4.2
H50	Upper body opening to ground	49.0		49.6		49.2		49.7
H56	H point rise							
H61	Effective headroom	38.5		38.6		37.7		38.2
H70	H point to body O line				13.9			
H75	Effective headroom		38.8		37.9		38.5	
W3	Shoulder room				58.8			
W5	Hip room				59.9			
L7	Steering wheel torso clearance				11.2			
L77	H point travel				4.0			
L34	Effective leg room				41.9			

## REAR COMPARTMENT

H8	Seat cushion height		13.2	13.0		12.8		13.2
H12	Entrance height	---	29.3	29.8	---	---		29.6
H31	H point to heel point		10.8	10.5		10.2		10.8
H33	Seat cushion deflection			4.4		4.6		4.4
H51	Upper body opening to ground	---	48.7	49.2	---	---		49.6
H63	Effective headroom		37.3	37.2		36.3	36.5	38.4
H71	H point to body O line			14.0		13.7		14.0
H76	Effective headroom		37.4	37.3		36.3	36.5	38.7
W4	Shoulder room		57.4	58.7		57.0	45.6	58.8
W6	Hip room		58.7	59.9		58.6	48.6	59.9
L3	Rear compartment room			27.0		25.2	24.9	27.2
L50	H point coupe distance			33.7			31.5	33.7
L51	Effective leg room		35.8	36.0		35.7	33.1	36.0

## LUGGAGE COMPARTMENT

---	Compartment opening width			52.3				
---	Compartment interior height			20.0				
---	Compartment interior width			72.0				
---	Compartment interior length			53.5				
H195	Compartment loading height			28.9				
V1	Usable luggage capacity (cu.ft.)			17.1				
---	Total compartment volume (cu.ft.)			27.8				

## STATION WAGON CARGO SPACE

H201	Maximum cargo height							31.3
H202	Rear opening height							28.5
H250	Tailgate to ground height							26.9
W200	Cargo width - front							59.6
W201	Cargo width - wheelhouse							42.4
W203	Rear opening width at floor							54.6
W204	Rear opening width at belt							52.5
W205	Rear opening width above belt							52.5
L200	Maximum cargo length - front seat							114.5
L201	Maximum cargo length - second seat							81.5
L202	Cargo length at floor - front seat							92.1
L203	Cargo length at floor - second seat							59.1
L204	Cargo length at belt - front seat							80.8
L205	Cargo length at belt - second seat							46.5
V2	Total cargo volume (cu.ft.)							86.0

# EXTERIOR DIMENSIONS

## LENGTHS

CODE	DESCRIPTION	SEDANS		SPORT SEDANS	SPORT COUPES	CONVERT- IBLES	STATION WAGONS	SEDAN PICKUP
		2-DR	4-DR					
L101	Wheelbase			115.0				
L102	Tire size (standard)			7.35x14 (A)				
L103	Overall length			197.0				
L104	Overhang - front			31.9				
L105	Overhang - rear			56.1				
----	Overall length - less bumpers			193.6				
L127	Body O line to C.L. of rear wheels			100.0				
L128	Hood length at centerline			57.0				

## WIDTHS

W101	Tread - front			58.0				
W102	Tread - rear			58.0				
W103	Maximum overall width of car			75.0				
W106	Front fender overall width			73.5				
W107	Rear fender overall width			74.5				
W120	Overall car width, front doors open	152.0	134.7		152.0		134.7	152.0
W121	Overall car width, rear doors open	---	134.4		---	---	134.4	---

## HEIGHTS

H101	Overall height (design)			53.0		51.9	52.8	54.8
----	Overall height (curb)			54.1		53.2	53.9	56.7
H102	Front bumper to ground			13.0			12.9	13.9
H104	Rear bumper to ground				11.0			10.5
H111	Rocker panel to ground - rear			7.2			7.0	9.2
H112	Rocker panel to ground - front			8.3			8.0	9.2
H114	Hood at rear to ground				36.6			37.7
H115	Step height - front (design)			12.4			12.1	13.7
H116	Step height - rear (design)	---	11.9		---	---	13.6	---
H125	Headlamp to ground			25.7		26.0	26.2	26.4
H126	Tail lamp to ground			23.8			24.2	26.7
H130	Step height - front (curb)			14.4			14.2	15.3
H131	Step height - rear (curb)	---	14.3		---	---	15.1	---
H136	Body O line to ground - front			5.2			5.0	6.0
H137	Body O line to ground - rear				4.1			6.1

## CLEARANCES

H106	Angle of approach (degrees)			28				
H107	Angle of departure (degrees)			14				
H147	Ramp breakover angle (degrees)			12				
H148	Front suspension to ground			9.5			9.2	10.6
H149	Oil pan to ground	6.0			6.5		6.1	7.1
H150	Flywheel housing to ground	6.1			6.0		5.7	6.7
H151	Frame to ground			6.0			5.7	7.3
H152	Exhaust system to ground			5.0				6.8
H153	Rear axle to ground			6.8				7.7
H154	Fuel tank to ground			6.0				8.3
H155	Tire well to ground			Located over rear axle				8.8 (H152)
H156	Minimum ground clearance			5.0 (H152)				6.7 (H153)

(A) See CHASSIS section page 3 for complete coverage.

# VEHICLE WEIGHTS

## CHEVELLE 300

Model	VEHICLE TYPE Description	SHIPPING WEIGHT			CURB WEIGHT		
		Front	Rear	Total	Front	Rear	Total
13111	2-Door Sedan 6-cylinder	1640	1295	2935	1645	1440	3085
13211	2-Door Sedan 8-cylinder	1750	1320	3070	1750	1475	3225
13169	4-Door Sedan 6-cylinder	1655	1300	2955	1655	1450	3105
13269	4-Door Sedan 8-cylinder	1760	1330	3090	1760	1480	3240

## CHEVELLE 300 DELUXE

13311	2-Door Sedan 6-cylinder	1655	1300	2955	1655	1445	3100
13411	2-Door Sedan 8-cylinder	1760	1330	3090	1760	1475	3235
13335	4-Door Station Wagon 6-cylinder	1615	1615	3230	1625	1760	3385
13435	4-Door Station Wagon 8-cylinder	1715	1645	3360	1725	1795	3520
13369	4-Door Sedan 6-cylinder	1665	1315	2980	1665	1460	3125
13469	4-Door Sedan 8-cylinder	1770	1340	3110	1770	1490	3260

## MALIBU

13535	4-Door Station Wagon 6-cylinder	1630	1630	3260	1640	1775	3415
13635	4-Door Station Wagon 8-cylinder	1730	1660	3390	1740	1810	3550
13539	4-Door Sport Sedan 6-cylinder	1715	1350	3065	1715	1495	3210
13639	4-Door Sport Sedan 8-cylinder	1825	1375	3200	1825	1520	3345
13517	2-Door Sport Coupe 6-cylinder	1670	1310	2980	1670	1460	3130
13617	2-Door Sport Coupe 8-cylinder	1775	1340	3115	1770	1490	3260
13567	2-Door Convertible 6-cylinder	1675	1375	3050	1680	1520	3200
13667	2-Door Convertible 8-cylinder	1785	1400	3185	1780	1550	3330
13569	4-Door Sedan 6-cylinder	1680	1320	3000	1680	1465	3145
13669	4-Door Sedan 8-cylinder	1785	1345	3130	1785	1495	3280

## MALIBU SUPER SPORT

13817	2-Door SS 396 Coupe 8-cylinder	2015	1400	3415	2040	1545	3585
13867	2-Door SS 396 Convertible 8-cylinder	2020	1465	3485	2045	1610	3655

## EL CAMINO

13380	2-Door Sedan Pickup 6-cylinder	1655	1305	2960	1665	1450	3115
13480	2-Door Sedan Pickup 8-cylinder	1760	1325	3085	1770	1475	3245
13580	2-Door Sedan Pickup 6-cylinder	1665	1310	2975	1675	1455	3130
13680	2-Door Sedan Pickup 8-cylinder	1770	1335	3105	1780	1480	3260

## CONCOURS

13735	4-Door Station Wagon 6-cylinder	1635	1635	3270	1645	1780	3425
13835	4-Door Station Wagon 8-cylinder	1735	1670	3405	1745	1815	3560

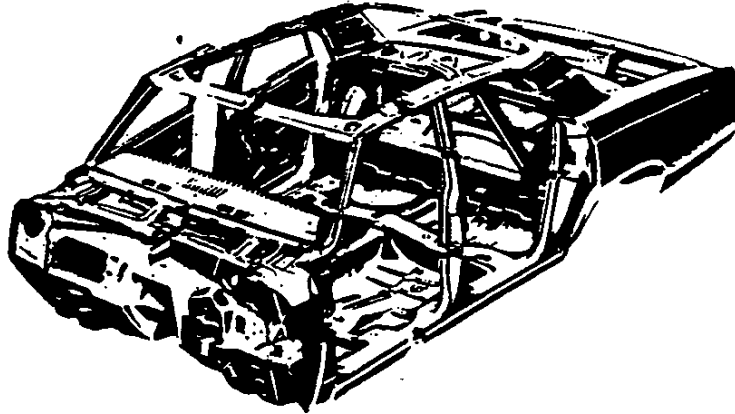
**SHIPPING WEIGHT:** Weight of basic vehicle with regular equipment and grease and oil. Weight of gasoline and water not included.

**CURB WEIGHT:** Weight of empty vehicle ready to drive. Shipping weight plus weights of gasoline and water.

For total shipping, and curb, weights of vehicles equipped with the following options, add to, or deduct from, the base vehicle weight (lbs).

RPO	Option	Weight	RPO	Option	Weight
A31	Power Window	+ 21	M10	Overdrive Transmission	+ 27
A41	Power Seat 4-Way	+ 20	M13	Heavy Duty 3-Spd. Transmission	+ 22
A51	Strato Bucket Seat	+ 34	M20	Four-Speed Transmission	+ 7
C48	Less Heater	- 24	M35	Powerglide Transmission	+ 14
C60	Air Conditioning	+122	M40	3-Spd. Turbo Hydra-Matic Trans.	- 51
J50	Power Brakes	- 9	N10	Dual Exhaust	+ 33
J52	Front Disc Brakes	+ 33	N40	Hydraulic Steering	- 32
L22	250 Cu.in. L-6	- 10	T60	Heavy Duty Battery	- 15
L30	327 Cu.in. V-8	- 40	U63	Radio - Push-Button	- 8
L35	396 Cu.in. V-8	+266	U69	Radio - AM-FM Push-Button	- 9
L79	327 Cu.in. V-8	- 87			

# BODY



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## EXTERIOR PAINT PROCESS



- 1. RUSTPROOFING.** Assembled car bodies are chemically sprayed to clean and etch the metal surfaces for corrosion resistance and paint adhesion. Unassembled sheet metal parts follow the same process.
- 2. BODY AND SHEET METAL PRIMERS.** Four corrosion resistant primers, specially formulated, are hand sprayed on the body in areas where rust might develop. Lower areas considered especially vulnerable are coated with another rust inhibiting compound.
- 3. PRIMER COAT** is applied to all outside and inside surfaces of front fenders and hoods. The parts are mechanically dipped or flow-coated to insure coating in all seams and secluded areas, and baked at 390 degrees F. for 30 minutes. A coat of sealer is then applied by hand spray to all surfaces requiring another coat of lacquer.
- 4. FLASH PRIMER AND PRIMER-SURFACER COATS.** An air-dry flash primer coat is hand sprayed on surfaces below the body belt line. Then a gray primer-surfacer coat is hand sprayed on all outside surfaces of the body and oven baked for 45 minutes at 285 degrees F.
- 5. INITIAL SANDING.** Power wet sanding, followed by hand sanding, is done on all body surfaces requiring lacquering. This insures a smooth surface for the lacquer finish. To remove the water, the body is wiped and run through an infra-red oven.
- 6. LACQUERING.** Three coats of acrylic lacquer are spread on the exterior surfaces of the body and sheet metal parts to build up a finish of the required thickness for each color.
- 7. INITIAL BAKING.** To harden the paint for final sanding, the body and sheet metal parts are baked for approximately 10 minutes at 200 degrees F.
- 8. FINAL SANDING.** To remove body surface defects, power and hand sanding is done with fine grit sandpaper and mineral spirits as a wetting agent. Sanded areas are wiped to insure a clean surface before final baking.
- 9. FINAL BAKING.** To assure a durable, hard, high luster finish the lacquer is baked for 30 minutes at 275 degrees F. Reheating the lacquer after final sanding permits paint film to soften, allowing surface blemishes and sanding scratches to disappear during the thermo-reflow process.
- 10. UNDERCOATING.** To block out road noise, an asbestos fiber sound deadener with asphalt base is sprayed inside the wheel housings and on the bottom of the underbody at designated areas.
- 11. PAINT REPAIR AND PROTECTION.** Marks, nicks, or scratches that occur during final assembly are corrected at the factory before shipment. When required, light "slush" polishing brings painted surfaces to a high luster finish. Wax is applied to all horizontal surfaces of each vehicle and polished out for protection during shipment. The wax contains no silicones, thus eliminating any paint contamination problem.

# EXTERIOR-INTERIOR COLORS

## CHEVELLE 300 131-13200 SERIES CHEVELLE 300 DELUXE 133-13400 SERIES

		INTERIOR TRIM COLORS AND RPO NUMBERS		
		Fawn	Blue	Black
		Models 13211-69		
		768	724	757 (a)
		Models 13411-69		
		769	726	764
		Models 13435		
RPO	COLOR	770	727	766
AA	Black	X	X	X
CC	White	X	X	X
DD	Med. Blue		X	X
EE	Dk. Blue		X	X
FF	Brt. Blue		X	X
GG	Gold	X		X
HH	Med. Green	X		X
KK	Med. Turquoise	X		X
LL	Dk. Turquoise	X		X
MM	Plum			X
NN	Maroon	X		X
RR	Red			X
SS	Fawn	X		X
TT	Cream	X		X
YY	Yellow	X		X
Two-Tone (Lower/Upper)				
CD	White/Med. Blue		X	
DC	Med. Blue/White		X	
DE	Med. Blue/Dk. Blue		X	
ED	Dk. Blue/Med. Blue		X	
GT	Gold/Cream	X		X
ST	Fawn/Cream	X		X

(a) Vinyl bench seat



# EXTERIOR-INTERIOR COLORS—Cont'd

## EL CAMINO 133—13400 SERIES

## DELUXE EL CAMINO 135—13600 SERIES

		INTERIOR TRIM COLORS AND RPO NUMBERS				
		Fawn	Blue	Black	Red	Gold
		Model 13480				
		770	727	766	---	---
		Model 13680				
		---	729	761	---	783
		Model 13680 bucket seat opt.				
RPO	EXTERIOR COLOR	---	---	763	750	784
AA	Black	X	X	X	X	X
CC	White	X	X	X	X	X
DD	Med. Blue		X	X		
EE	Dk. Blue		X	X		
FF	Brt. Blue		X	X		
GG	Gold	X		X		X
HH	Med. Green	X		X		
KK	Med. Turquoise	X		X		
LL	Dk. Turquoise	X		X		
MM	Plum			X		
NN	Maroon	X		X	X	X
RR	Red			X	X	
SS	Fawn	X		X		X
TT	Cream	X		X		X
YY	Yellow	X		X		

# EXTERIOR-INTERIOR COLORS—Cont'd

## MALIBU & SS 396 SERIES CONCOURS STATION WAGON

		INTERIOR TRIM COLORS AND RPO NUMBERS						
		Gold	Blue	Black	Turq.	Maroon	Red	Bright Blue
		Models 13617-39-69						
		782	728	759	775	746	---	---
		Models 13635-67-13835						
		783	729(c)	761(b,c)	776	---	747(b)	723(b,a)
EXTERIOR		Models 13617-67						
RPO	COLOR	783	729	761	776	---	747	723
AA	Black	X	X	X	X	X	X	X
CC	White	X	X	X	X	X	X	X
DD	Medium Blue		X	X				
EE	Dark Blue		X	X				
FF	Bright Blue		X	X				X
GG	Gold	X		X				
HH	Medium Green			X				
KK	Medium Turquoise			X	X			
LL	Dark Turquoise			X	X			
MM	Plum			X				
NN	Maroon	X		X		X	X	
RR	Red			X			X	
SS	Fawn	X		X				
TT	Cream	X		X				
YY	Yellow			X	X			
		Two-Tone (Lower/Upper) (d)						
CD	White/Medium Blue		X					
DC	Medium Blue/White		X					
DE	Medium Blue/Dark Blue		X					
ED	Dark Blue/Medium Blue		X					
GT	Gold/Cream	X		X				
LC	Dark Turquoise/White				X			
ST	Fawn/Cream	X		X				

(a) Not available for 13635-13835

(b) Also available for 13617

(c) Also available for 13639

(d) Not available for Concours Station Wagon

Convertible top: White (Regular Production) black or medium blue (RPO C05) with any exterior color.

Vinyl top option (RPO C08): Black or Lt. Fawn with any exterior color.

# EXTERIOR-INTERIOR COLORS—Cont'd

## MALIBU AND SUPER SPORT 396 BUCKET SEAT OPTION

EXTERIOR		INTERIOR TRIM COLORS AND RPO NUMBERS					
		Gold	Blue	Black	Turq.	Red	Brt. Blue
RPO	COLOR	Models 13617-67-13817-67					
		784	738	763	778(a)	750	731
AA	Black	X	X	X	X	X	X
CC	White	X	X	X	X	X	X
DD	Med. Blue		X	X			
EE	Dk. Blue		X	X			
FP	Brt. Blue		X	X			X
GG	Gold	X		X			
HH	Med. Green			X			
KK	Med. Turquoise			X	X		
LL	Dk. Turquoise			X	X		
MM	Plum			X			
NN	Maroon	X		X		X	
RR	Red			X		X	
SS	Fawn	X		X			
TT	Cream	X		X			
YY	Yellow			X	X		
<b>Two-Tone (Lower/Upper)</b>							
CD	White/Med. Blue		X				
DC	Med. Blue/White		X				
DE	Med. Blue/Dk. Blue		X				
ED	Dk. Blue/Med. Blue		X				
GT	Gold/Cream	X		X			
LC	Dk. Turq./White				X		
ST	Fawn/Cream	X		X			

(a) Not available for 13617-67

# EXTERIOR-INTERIOR COLORS—Cont'd

## MALIBU SPORT SEDAN LUXURY TRIM OPTION

EXTERIOR		INTERIOR TRIM COLORS AND RPO NUMBERS			
		Gold	Blue	Black	Plum
		Model 13639			
RPO	COLOR	794	730	762	705
AA	Black	X	X	X	X
CC	White	X	X	X	X
DD	Medium Blue		X	X	
EE	Dark Blue		X	X	
FF	Bright Blue		X	X	
GG	Gold	X		X	
HH	Medium Green			X	
KK	Medium Turquoise			X	
LL	Dark Turquoise			X	
MM	Plum			X	X
NN	Maroon	X		X	
RR	Red			X	
SS	Fawn	X		X	
TT	Cream	X		X	
YY	Yellow			X	
Two-Tone (Lower/Upper)					
CD	White/Medium Blue		X		
DC	Medium Blue/White		X		
DE	Medium Blue/Dark Blue		X		
ED	Dark Blue/Medium Blue		X		
GT	Gold/Cream	X		X	
ST	Fawn/Cream	X		X	

# BODY CONSTRUCTION AND GLASS AREA

## GENERAL

Type ----- Unsteel, with cowl, roof, underbody and body panels welded to form body shell. Doors, front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal, with protective inner fender skirts

## DOORS AND LOCKS

Door construction ----- Double steel panels, hinged at front  
 Door handles ----- Push-button with fork type door locks. Inside push-button locks and 2-position free-wheeling inside door handles on all doors  
 Door ventpanes ----- Friction pivot

## HOOD AND TRUNK LID

Type ----- Counterbalanced, with spring loaded toggle action hinges on rear of hood and boxed hinges on trunk lid with torsion rod

## VENTILATION

High level ----- with double wall plenum chamber, providing washing and air drying of rocker panels for corrosion resistance. Air and water travel through rocker panels and drain at ends of rocker inner panels

## SEAT CONSTRUCTION

Type ---- Front seat cushion  
 1.25 poly foam ----- 131-132-133-13400  
 1.75 poly foam ----- 135-13600  
 1.50 poly foam ----- 137-13800  
 Rear seat cushion  
 Jute and cotton ----- 131-132-133-13400  
 1.00 poly foam ----- 135-136-137-13800

## WINDSHIELD WIPERS

Type ----- Dual 2-speed electric  
 Linkage ----- Parallel acting

## SPARE TIRE MOUNT

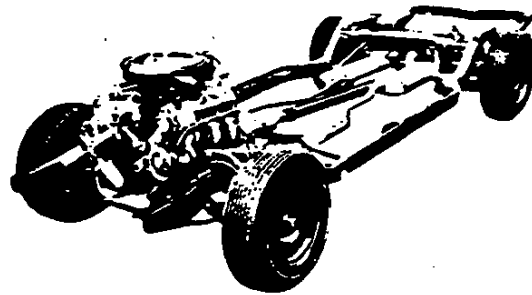
Location ----- Sedans and Sport Coupe, horizontal, RH side of trunk floor; Station wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored under tire

## BODY GLASS

LOCATION	TYPE	MODELS					
		11	39	69	17	67	35
Windshield		1107.1			1144.2		1107.1
Front Door	Ventipane	114.0	93.2	114.0	109.0		114.0
	Window	819.6	673.2	534.6	796.6	796.6	534.6
Rear Door	Window	666.4		629.4	675.0		
Rear Quarter	Window	420.0			366.0	303.0	
	Rear Side	1175.0					
Back Window		935.1	812.8	935.1	728.9	833.8	768.4
Total Visibility (Sq. in.)		3395.8	3352.7	3320.2	3145.3	3186.6	4374.1

All window glass curved safety solid plate except curved laminated safety plate windshield and flat plastic convertible rear window.

# CHASSIS



FRAME AND FRONT SUSPENSION .....	2
STEERING, DRIVELINE, WHEELS AND TIRES .....	3
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# FRAME AND FRONT SUSPENSION

## FRAME

Description ----- All welded perimeter frame with front crossmember, rear axle upper control arm crossmember, and rear crossmember. Center sections except convertibles and sedan pickups are "C" shaped; convertibles and sedan pickups have welded box construction members. Rear axle pickups box welded construction. Rear of pickup "C" shaped. Body mounting points. Convertible 14, Station Wagons 12, all others 10.

Wheel travel (design) -----  
 Total ----- 8.57  
 Jounce ----- 4.65  
 Rebound ----- 3.92  
 Wheel to spring, travel ratio ----- 1.65:1

## FRONT SUSPENSION

Description ----- Independent, SLA type with coil springs & concentric shock absorbers, and spherically jointed steering knuckles for each wheel.

## CONTROL ARMS

Description ----- Stamped A frame with pre-loaded, steel encased rubber bushings at pivot.

## STEERING KNUCKLES

Description ----- Forged steel with integral brake cylinder mounting, and detachable steering knuckle arm

Spindle diameters -----  
 Inner bearing ----- 1.2493-1.2498  
 Outer bearing ----- .7493-.7448  
 Spindle thread size ----- 3/4-20 NEF-3 (modified)  
 Wheel bearing -----  
 Type ----- Taper roller  
 Number ----- Two per spindle

## SPHERICAL JOINTS

Type ----- Ball studs, upper self-adjusting for wear  
 Bearing surfaces -----  
 Upper ----- Two bearings, both non-metallic; teflon-coated phenolic.  
 Lower ----- One upper surface, teflon-cotton composition

## SHOCK ABSORBERS

Type ----- Direct, double-acting, hydraulic  
 Piston diameter ----- 1.00

## STABILIZER BAR

Type ----- Link  
 Material ----- HR steel  
 Diameter ----- .512; 396 V-8, .937

## FRONT WHEEL ALIGNMENT (CURB)

Camber (degrees) ----- 0 to P1  
 Caster (degrees) ----- Except SS 396 and El Camino, N1-1/2 to N1/2; SS 396 and El Camino, N1 to 0  
 Toe-in (total) ----- 1/8 to 1/4  
 SAI (degrees) ----- 7-3/4 to 8-3/4

## GENERAL SUSPENSION PROVISIONS

Car leveling ----- Front stabilizer bar  
 Anti-dive control ----- Angle of front upper control arm  
 Anti-squat control ----- Rear suspension geometry

## FRONT SPRINGS

Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Inside Dia.	Height		Deflection rate (lbs per inch)	
							Free	Working (In. @ lbs)	@ Spring	@ Wheel
3895808	A	Coil, right hand helix	AISI A-5160	120.8	.574	3.63	17.4	12.59 @ 1210	250	99
3895811	B			134.6	.594	3.63	17.9	12.59 @ 1350	250	99
3895810	C			134.6	.594	3.63	17.8	12.59 @ 1310	250	99
3881624	D			134.6	.594	3.63	18.2	12.59 @ 1400	250	99
3895809	E			120.8	.574	3.63	17.6	12.59 @ 1260	250	99
3850967	F			135.8	.637	3.63	17.5	12.59 @ 1575	320	120
3856589	G			135.8	.637	3.63	17.3	12.59 @ 1515	320	120
3866286	H			134.6	.594	3.63	18.5	12.59 @ 1480	250	99
3866570	I			135.0	.637	3.63	18.0	12.59 @ 1730	320	120

Engine	230 & 250 Cu. in. L-6					283 Cu. in. V-8				
Models	1310C	13300	1330C	113700	1320C	1340C	1360C	13800		
Ref.	A	A	A	A	A	A	A	A	E	E

307 Cu. in. V-8 Engine										
C	B	C	B	D	H	B	D	B	D	H

396 Cu. in. V-8 Engine									
I	I	I	I	G	F				

# STEERING, DRIVELINE, WHEELS AND TIRES

## MANUAL STEERING (Standard)

Description ----- Semi-reversible, recirculating ball nut gear; and a collapsible steering column for safety. Tilt steering wheel optional.

Ratios ----- Gear, 24:1; overall, 28:1

Turning diameters (ft)

Outside front, wall to wall ----- 43.1

Outside front, curb to curb ----- 40.3

Inside rear, wall to wall ----- 24.1

Inside rear, curb to curb ----- 24.7

Number of wheel turns, lock to lock ----- 5.48

Outside wheel angle with inside wheel

  @ 14.81 degrees ----- 14.06

  @ 20.00 degrees ----- 18.41

  @ 33.73 degrees (limit of turn) ----- 31.15

Linkage ----- Parallelogram, front of wheels, 2 tie rods

Steering wheel

  Standard and optional tilt wheel ----- Deep dish, 16.5 diameter

## DRIVELINE

Type ----- Tubular, exposed

Number used ----- One

Diameter (O.D.) ----- 3.25

Length (C/L of U-joints) ----- 60.13

Wall thickness ----- .065

Universal joints

  Type ----- Cross

  Number used ----- Two

  Bearings ----- Prepack, anti-friction

  Drive and torque ----- Through rear suspension control arms

## WHEELS

Type ----- Short spoke spider

Attachment to hub ----- 5 hex nuts, 7/16-20 UNF 2-B, arranged on a 4.75 diameter bolt circle

● Rim size ----- 14 x 5J; SS396 14 x 6JK

Offset ----- 1.00

## POWER STEERING, RPO N40

(Same as standard Manual Steering except as shown)

Type ----- Integral gear, with vane type pump driven by crankshaft pulley providing hydraulic pressure

Ratio ----- Gear, 17.5:1; overall, 20.4:1

Number of wheel turns, lock to lock ----- 3.98

## TIRES

Construction ----- 2 ply

Rating ----- 4 ply

Size

  Sedan, coupe & convertible ----- 7.35-14

  Wagon & pickup ----- 7.75-14

  SS 396 ----- F70-14

## TIRE SPECIFICATIONS

	7.35x14-4PR	7.75x14-4PR	F70-14
● Static loaded radius	12.1	12.4	11.9
Loaded rev/mi @ 50 MPH	803	779	N.A.
Capacity (lb @ PSI)	1240 @ 26	1220 @ 22	1340 @ 26
		1450 @ 30	
Recommended pressure (cold)	Front	22*	26
	Rear	26	26

● \* Pickup, front 24 PSI rated at 1280 @ 24 PSI.



# REAR AXLE AND SUSPENSION

## REAR AXLE

Description ----- Semi-floating housing  
 ----- consists of two welded tubes pressed into  
 crossbore of cast iron carrier. Carrier  
 contains an overhung pinion and hypoid gear  
 supported by two taper roller bearings.

Pinion offset ----- (Vert) 1.50

### Hypoid gear PD

3.08, 3.36, 3.70 ----- 8.125  
 3.07, 3.31, 2.73, 3.55 ----- 8.875

Pinion bearing adjustment ----- Shim

### Lubricant

Type ----- Military Spec. MIL-L-2105-B

Viscosity ----- SAE 80

Capacity (pts) ----- 8.125 hypoid gear ----- 3.5  
 ----- 8.875 hypoid gear ----- 4.0

### Ratios (standard production)

#### 230 L-6

3-speed; Powerglide on wagons & pickups ----- 3.36

Overdrive ----- 3.70

Powerglide, sedan & coupe ----- 3.08

#### 250 L-6

3-speed; Powerglide on sedan & coupe ----- 3.08

Overdrive ----- 3.70

Powerglide, wagons & pickups ----- 3.36

#### 283 V-8 & 327 V-8 (RPO L30)

3 & 4-speed and Powerglide ----- 3.08

Overdrive (NA on 327 V-8) ----- 3.70

#### 327 V-8 (RPO L79)

3 & 4-speed ----- 3.31

#### 396 V-8 (RPO L35)

3 & 4-speed ----- 3.31

Powerglide ----- 3.07

Turbo Hydra-Matic ----- 2.73

#### 396 V-8 (RPO L34)

3 & 4-speed ----- 3.55

Powerglide ----- 3.31

Turbo Hydra-Matic ----- 3.07

## AXLE SHAFT

Type ----- Forged and hardened steel  
 ----- with integral drive flange

Wheel bearings ----- Single row cylindrical  
 ----- roller, one per wheel

Oil seal ----- Steel encased spring loaded  
 ----- synthetic rubber

## HYPOID AND PINION GEAR TOOTH COMBINATIONS

3.08 (8.125 hypoid gear) ----- 37,12

3.36 (8.125 hypoid gear) ----- 37,11

3.70 (8.125 hypoid gear) ----- 37,10

3.07 (8.875 hypoid gear) ----- 43,14

3.31 (8.875 hypoid gear) ----- 43,13

3.55 (8.875 hypoid gear) ----- 39,11

2.73 (8.875 hypoid gear) ----- 41,15

## POSITRACTION DIFFERENTIAL (see Power Trains)

Type ----- Two pinion with dual disk clutches

## REAR SUSPENSION

Description ----- Link type; 2 upper and 2  
 ----- lower control arms supporting rear axle.  
 Drive and torque taken through control arms.

### Wheel travel (design)

Total ----- 9.72

Jounce ----- 2.88

Rebound ----- 6.84

Wheel to spring, travel ratio ----- 1.05:1

## SHOCK ABSORBERS

Type ----- Direct, double-acting, hydraulic  
 Piston diameter ----- 1.00

## REAR SPRINGS

Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Inside Dia.	Heights		Deflection rate (lbs. per inch)	
							Free	Working (In. @ lbs.)	@ Spring	@ Wheel
3893385	A	Coil Rigtr Hand Helix	AISI A-5160	103.8	.522	5.50	15.0	9.00 @ 600	100	92
3893386	B			105.9	.525	5.50	15.3	9.00 @ 630	100	92
3893389	C			103.8	.522	5.50	14.7	9.00 @ 570	100	92
3908799	D			88.7	.531	5.50	13.9	9.00 @ 545	130	118
3893388	E			88.7	.531	5.50	12.8	9.00 @ 495	130	118
3893387	F			112.5	.573	5.50	16.0	9.00 @ 915	130	118
3893390	G			105.9	.525	5.50	16.0	9.00 @ 700	100	92
3893395	H			102.6	.557	5.50	15.0	9.00 @ 780	130	118

ENGINE	230 and 250 Cu. In. L-6						283 Cu. In. V-8																				
MODELS	13100	13300	13500	13700	13200	13400	13600	13800																			
REF.	A	A	F	A	G	F	A	B	A	B	G	B	F	B	B	B	F	G	B	A	A	A	F	G	E	D	F

327 Cu. In. V-8												
A	A	A	A	F	G	A	B	C	B	F	G	F

396 Cu. In. V-8														
H												H	E	D

# BRAKES

## SERVICE BRAKES (Standard)

● Type	Dual-circuit; brake system warning and parking brake light, and reverse self-adjusting brakes.
Line pressure, psi, @ 100 lb pedal load	786
Braking ratios	
Pedal	6.17
Hydraulic	4.30
Overall	26.5
Distribution of braking effort	
Front wheels (theoretical, percent)	59.4
Brake drum	
Diameter, front & rear	9.5
Construction	Composite, web cast into rim
Material	
Web	HR steel
Rim	Cast iron alloy
Swept drum area (sq.in.)	268.6
Brake lining	
Material	Full molded asbestos composition
Length	
Primary shoe, front & rear	9.01
Secondary shoe, front & rear	9.75
Width	
Front wheels, primary & secondary	2.50
Rear wheels, primary & secondary	2.00
Thickness, minimum & centerline	
Primary shoes, front & rear	.17
Secondary shoes, front & rear	.20
Method of attachment	Bonded
Total effective area (sq.in.)	168.9
Gross lining area (sq.in.)	168.9
Master cylinder	
Piston diameter	1.00
Piston travel (available pedal travel)	1.13
Wheel cylinders	
Piston diameter	
Front	1.125
Rear	.9375
Foot pedal travel	7.00

## PARKING BRAKE

Type	Mechanical; pull rods and cables operate two rear service brakes
Total effective area (sq.in.)	75.0
Control	Pendulum foot pedal; released by T handle located below instrument panel to left of steering column

## POWER BRAKES (RPO J50)

	(Same as standard production SERVICE BRAKES except as follows)
Type	Vacuum power unit added to assist regular master cylinder; integral
Pedal effort	Approximately 30% less than regular service brakes at same deceleration rate
Braking ratios	
With standard production service brake linings	
Pedal	3.33
Hydraulic	4.30
Overall	14.3
With metallic service brake linings	
Pedal	3.33
Hydraulic	4.30
Overall	14.32
With front disc brakes	
Pedal	3.33
Hydraulic	28.3
Overall	94.2
Master cylinder	
Piston travel (available pedal travel)	1.49
Foot pedal travel	5.00

## SERVICE BRAKES, METALLIC (RPO J65)

(Same as standard production SERVICE BRAKES except  
as follows)

Line pressure, psi @ 100 lb. pedal load	1026
Braking ratios	
Pedal	6.17
Hydraulic	4.46
Overall	27.52
Brake lining	
Material	Sintered iron segments
● Size	
Front wheel segments	
Primary	1.64 x 2.50 x .150
Secondary	1.64 x 2.50 x .265
Rear wheel segments	
Primary	1.64 x 2.00 x .150
Secondary	1.64 x 2.00 x .265
Segments per shoe	
Primary, front & rear	3
Secondary, front & rear	5
Method of attachment	Welded
Total effective area (sq.in.)	118.1
Gross lining area (sq.in.)	118.1
Master cylinder	
Piston diameter	.875

## FRONT DISC BRAKES (RPO J52)

(Same as standard production SERVICE BRAKES on rear  
only; must be used with RPO J50)

Type	Hub mounted front discs, with self-adjusting caliper units mounted on the steering knuckle. A metering valve is provided for balance between front and rear brakes.
Line pressure, psi @ 100 lb pedal load	335
Brake disc	
Construction	Caliper type with radial cavities for heat dissipation
Material	Cast iron
Diameter	11.00
Swept disc & drum area	332.4
Brake lining	
Material	Molded asbestos
Size, disc segment	5.96 x 2.21 x .41
Method of attachment	Riveted
Total effective area (sq.in.)	114.0
Gross lining area (sq.in.)	118.1
Master cylinder	
Piston diameter	1.125
Piston travel	1.49
Wheel cylinders (front)	
Number	4 per wheel
Piston diameter	2-1/16
Foot pedal travel	5.00

# BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray	1-1445	.7
Automatic transmission position pattern	Column shift Floor console, 1-1895	See Instru. cluster 2
Back-up	2-1156	32
Brake warning	1-1895	2
Clock (with tachometer option)	1-1895	2
Courtesy		
Instrument panel	2-631	6
Seat separator	1-212	6
Directional signal indicators	2-1895	2
Dome	1-211	12
Generator indicator	1-1895	2
Glove compartment	1-1895	2
Headlamp		
Outer	2-4002	High beam 37.5W Low beam 55.0W
Inner	2-4001	High beam 37.5W
Headlamp hi-beam indicator	1-1895	2
Heater controls	1-1895	2
Instrument cluster	5-1895	2
License plate, rear	1-67	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-1895	2
Parking		
Park		4
Turn	2-1157	32
Radio	1-1893	2
Spot lamp		
Inside operated	1-4405	30W
Portable	1-4416	30W
Tail		
Tail		4
Stop and turn	2-1157	32
Temperature indicator	2-1895	2
Underhood	1-93	15

## FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	AGC 25 fuse	In line
Ash tray lamp	AGC 25 fuse	Fuse panel (g)
Auto. trans. position pattern lamp	AGC 4 fuse	Fuse panel (c)
Back-up lamps	AGC 4 fuse	Fuse panel (c)
Cigarette lighter	AGC 10 fuse	Fuse panel (d)
Clock	AGC 20 fuse	Fuse panel (b)
Clock lamp (with tachometer option)	AGC 20 fuse	Fuse panel (b)
Courtesy lamps	AGC 4 fuse	Fuse panel (c)
Defogging unit	AGC 20 fuse	Fuse panel (b)
Direction signal indicator lamps	AGC 10 fuse	Fuse panel (d)
Dome lamp	AGC 4 fuse	Fuse panel (c)
Folding top motor	AGC 20 fuse	Fuse panel (b)
Fuel gage	40 amp CB	Hinge pillar
Generator indicator lamp	AGC 10 fuse	Fuse panel (d)
Glove compartment lamp	AGC 10 fuse	Fuse panel (d)
Headlamps	AGC 20 fuse	Fuse panel (b)
Headlamps hi-beam indicator lamp	15 amp CB	Light switch
Heater	15 amp CB	Light switch
Heater controls lamp	AGC 25 fuse	Fuse panel (g)
Instrument cluster lamps	AGC 4 fuse	Fuse panel (c)
License plate lamp, rear	AGC 4 fuse	Fuse panel (c)
Luggage compartment lamp	AGC 20 fuse	Fuse panel (b)
Oil pressure indicator lamp	AGC 20 fuse	Fuse panel (b)
Overdrive solenoid	AGC 10 fuse	Fuse panel (d)
Brake warning lamp	AGC 15 fuse	In line
Parking lamps	AGC 10 fuse	Fuse panel (d)
Power seats	15 amp CB	Light switch
Power windows	40 amp CB	Hinge pillar
Radio and radio lamp	40 amp CB	Hinge pillar
Speed warning device	AGC 20 fuse	Fuse panel (e)
Spot lamp	SAE 20 fuse	Fuse panel (b)
	AGC 20 fuse	In line
Tachometer	AGC 20 fuse	Fuse panel (b)
	AGC 20 fuse	Fuse panel (b)
Tail, stop and turn lamps	AGC 10 fuse	Fuse panel (d)
Tailgate motor	AGC 20 fuse	Fuse panel (b)
Temperature indicator lamp	40 amp CB	Hinge pillar
Traffic hazard indicator	AGC 10 fuse	Fuse panel (d)
Underhood lamp	AGC 20 fuse	Fuse panel (b)
Windshield wiper, two-speed	SAE 4 fuse	In line
	SAE 20 fuse	Fuse panel (f)
	14 amp CB	Switch

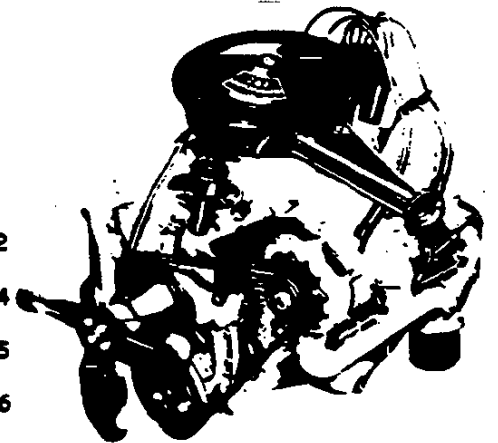
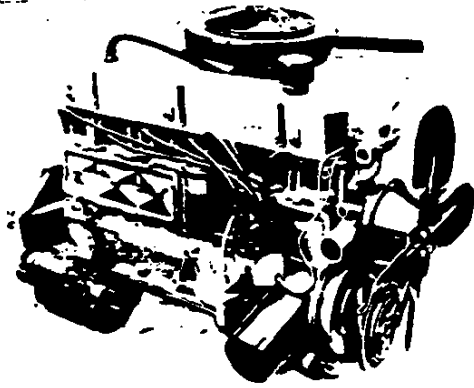
\* Letter suffix indicates same circuit



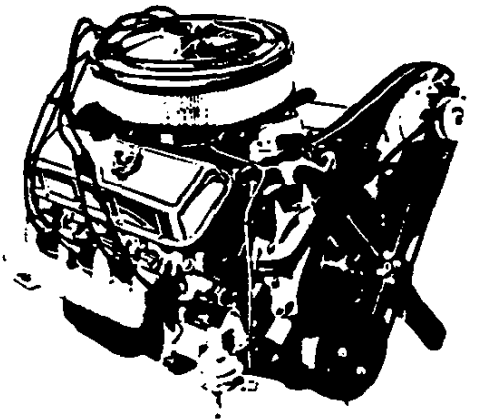
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# POWER TRAINS



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# POWER TEAM COMBINATIONS

## AXLE RATIOS\*

ENGINE	TRANSMISSION	MODEL APPLICATION	(Axle ratios for Air Conditioning same as base unless indicated otherwise)										
			2.73:1	3.07:1	3.09:1	3.31:1	3.36:1	3.55:1	3.70:1	3.73:1	4.10:1		
230 Cubic Inch L-6 Turbo-Thrift 230 (A) 140 HP Standard	3-Spd (2.85:1 low) & H.D. 3-Spd (2.86:1 low)	All Models				Econ.		Std.	Perf.	Spcl.			
		With Air Conditioning						Std.	Perf.	Spcl.			
	Overdrive	All Models								Std.			
	Powerglide	Sedans & Coupes (a)				Std.			Perf.	Spcl.	Spcl.		
		With Air Conditioning							Std.	Perf.	Spcl.		
		Sta. Wagons & Pickups				Econ.		Std.	Perf.	Spcl.			
		With Air Conditioning						Std.	Perf.	Spcl.			
250 Cubic Inch L-6 Turbo-Thrift 250 (A) 155 HP RPO L22	3-Spd (2.85:1 low) & H.D. 3-Spd (2.86:1 low)	All Models					Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning						Std.	Perf.	Spcl.			
	Overdrive	All Models								Std.			
	Powerglide	Sedans & Coupes					Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning							Std.	Perf.	Spcl.		
		Sta. Wagons & Pickups				Econ.		Std.	Perf.	Spcl.			
		With Air Conditioning						Std.	Perf.	Spcl.			
283 Cubic Inch V-8 Turbo-Fire 283 (A) 195 HP Standard	3-Spd (2.85:1 low) & H.D. 3-Spd (2.86:1 low) & 4-Spd (3.11:1 low) & Powerglide	All Models					Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning						Std.	Perf.	Spcl.			
	Overdrive	All Models								Std.			
327 Cubic Inch V-8 Turbo-Fire 327 (A) 275 HP RPO L30	3-Spd (2.54:1 low) & H.D. 3-Spd (2.41:1 low) & 4-Spd (2.54:1 low) & Powerglide	All Models					Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning						Std.	Perf.	Spcl.			
	Overdrive	All Models											
327 Cubic Inch V-8 Turbo-Fire 327 (A) 325 HP RPO L79	H.D. 3-Spd (2.41:1 low) & 4-Spd (2.52:1 low)	All Models				Econ.		Std.		Perf.	Spcl.		
		With Air Conditioning						Std.		Perf.	Spcl.		
	4-Spd (2.20:1 low)	All Models				Econ.		Std.		Perf.	Spcl.		
		With Air Conditioning						Std.		Perf.	Spcl.		
396 Cubic Inch V-8 Turbo-Jet 396 (B) 325 HP Standard	H.D. 3-Spd (2.41:1 low) & 4-Spd (2.52:1 low)	All Models				Econ.		Std.		Perf.	Spcl.		
		With Air Conditioning						Std.		Perf.	Spcl.		
	Powerglide	All Models				Econ.		Std.		Perf.	Spcl.		
		With Air Conditioning						Std.		Perf.	Spcl.		
	Turbo Hydra-Matic	All Models				Std.		Perf.		Spcl.			
		With Air Conditioning						Std.		Perf.	Spcl.		
396 Cubic Inch V-8 Turbo-Jet 396 (B) 350 HP RPO L34	H.D. 3-Spd (2.41:1 low) & 4-Spd (2.52:1 low)	All Models					Econ.		Std.		Perf.	Spcl.	
		With Air Conditioning						Std.		Perf.	Spcl.		
	4-Spd (2.20:1 low)	All Models					Spcl.		Econ.		Std.	Perf.	Spcl.
		With Air Conditioning							Std.		Perf.	Spcl.	
	Powerglide	All Models					Econ.		Std.		Perf.		Spcl.
		With Air Conditioning							Std.		Perf.		Spcl.
Turbo Hydra-Matic	All Models				Econ.		Std.		Perf.		Spcl.		
		With Air Conditioning						Std.		Perf.	Spcl.		

- \* Posttraction axles available optionally for all ratios shown.
- (A) Not available with Super Sport models.
- (B) Available only with Super Sport and Sedan Pickup models (325 HP is standard on Super Sport and optional RPO L35 on Sedan Pickups).

- (a) Standard with A.I.R. Engine.
- \* Axle ratios of 4.56:1 and 4.88:1 also available with 4-Speed (2.20:1 low) transmission.
- Std. - Standard
- Econ. - Economy (optional)
- Perf. - Performance (optional)
- Spcl. - Special (optional)

## MULTIPLICATION FACTORS

### WITH MANUAL TRANSMISSIONS

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO	
			1st	2nd	3rd	4th	Rev		
140 HP L-6 Turbo-Thrift Standard	Single Barrel	3-Speed	9.58	5.64	3.36		9.91	3.36	
		Overdrive	Out	10.54	6.22	3.70		10.92	3.70
			In	7.40	4.37	2.59		7.62	3.70
		H.D. 3-Speed		9.61	5.78	3.36		9.91	3.36
155 HP L-6 Turbo-Thrift RPO L22	Single Barrel	3-Speed	8.78	5.17	3.08		9.09	3.08	
		Overdrive	Out	10.54	6.22	3.70		10.92	3.70
			In	7.40	4.37	2.59		7.62	3.70
		H.D. 3-Speed		8.81	5.30	3.08		8.81	3.08
195 HP V-8 Turbo-Fire Standard	2-Barrel	3-Speed	8.78	5.17	3.08		9.09	3.08	
		Overdrive	Out	10.54	6.22	3.70		10.92	3.70
			In	7.40	4.37	2.59		7.62	3.70
		H.D. 3-Speed		8.81	5.30	3.08		8.81	3.08
275 HP V-8 Turbo-Fire RPO L30	4-Barrel	4-Speed	9.58	6.78	4.53	3.08	9.58	3.08	
		3-Speed	7.82	4.62	3.08		8.10	3.08	
		H.D. 3-Speed	7.42	4.84	3.08		7.42	3.08	
		4-Speed	7.82	5.54	4.43	3.08	7.82	3.08	
325 HP V-8 Turbo-Jet Standard	4-Barrel	H.D. 3-Speed	7.98	5.20	3.31		7.98	3.31	
		4-Speed	8.34	6.22	4.87	3.31	8.57	3.31	
325 HP V-8 Turbo-Fire RPO L79	4-Barrel	H.D. 3-Speed	7.98	5.20	3.31		7.98	3.31	
		4-Speed (2.52:1)	8.34	6.22	4.87	3.31	8.57	3.31	
		4-Speed (2.20:1)	7.28	5.43	4.20	3.31	7.48	3.31	
350 HP V-8 Turbo-Jet RPO L34	4-Barrel	H.D. 3-Speed	8.56	5.57	3.55		8.56	3.55	
		4-Speed (2.52:1)	8.95	6.67	5.22	3.55	9.19	3.55	
		4-Speed (2.20:1)	7.81	5.82	4.51	3.55	8.02	3.55	

### WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
140 HP L-6 Turbo-Thrift	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
155 HP L-6 Turbo-Thrift	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
195 HP V-8 Turbo-Fire	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
275 HP V-8 Turbo-Fire	Powerglide	Drive	11.40:1 - 3.08:1	3.08:1
		Low & Reverse	11.40:1 - 5.42:1	
325 HP V-8 Turbo-Jet	Powerglide	Drive	11.36:1 - 3.07:1	3.07:1
		Low & Reverse	11.36:1 - 5.40:1	
325 HP V-8 Turbo-Jet	Turbo Hydra-Matic	Drive	13.81:1 - 2.73:1	2.73:1
		Low	13.81:1 - 6.77:1	
		Second	13.81:1 - 4.04:1	
		Reverse	11.58:1 - 3.68:1	
350 HP V-8 Turbo-Jet	Powerglide	Drive	12.24:1 - 3.31:1	3.31:1
		Low & Reverse	12.24:1 - 5.83:1	
350 HP V-8 Turbo-Jet	Turbo Hydra-Matic	Drive	15.53:1 - 3.07:1	3.07:1
		Low	15.53:1 - 7.61:1	
		Second	15.53:1 - 4.54:1	
		Reverse	13.02:1 - 6.39:1	

\* Axle ratio x transmission ratio.



# ENGINE DATA AND RATINGS

## GENERAL DATA

Engine Type	L6-OHV			V8-OHV			
	Piston Displacement (Cu.In.)	230	250	283	327		396
Availability	Base	RPO L22	Base	RPO L30	RPO L79	Base**	RPO L34
Number of Cylinders	Six			Eight			
Bore (nominal)	3.875			4.00		4.094	
Stroke (nominal)	3.25	3.53	3.00	3.25		3.76	
Compression Ratio	8.5:1		9.25:1	10.0:1	11.0:1	10.25:1	
Taxable (SAE) Horsepower	36.0		48.0	51.2		53.6	
Firing Order	1-5-3-6-2-4			1-8-4-3-6-5-7-2			
Idling Speed	Synchromesh (in neutral)			500	700	500	550
	Fwz/Gld and/or Hydra-Matic* (in drive)			500	NA	500	550
Comp. Press. (PSI) @ Cranking Speed, Engine Hot	140			150		160	
Power Plant Mountings	Two, combination compression & shear type						
Measurements	Front	One, shear type					
	Rear	One, shear type					
Measurements	Fan to rear of engine block	32.67	34.96	30.14	30.64		32.59
	Top of air cleaner to bottom of oil pan	26.67	26.67	28.74	29.96		29.73
	Width - including generator	28.37		28.92	28.92		30.71

\* Turbo Hydra-Matic available with V8-396 only.

\*\* Optional (RPO L35) on Sedan Pickups.

## ADVERTISED ENGINE RATING

Engine Designation	L6, 140 HP Turbo-Thrift 230 Cu.In.	L6, 155 HP Turbo-Thrift 250 Cu.In.	V8, 195 HP Turbo-Fire 283 Cu.In.	V8, 275 HP Turbo-Fire 327 Cu.In.	V8, 325 HP Turbo-Fire 327 Cu.In.	V8, 325 HP Turbo-Jet 396 Cu.In.	V8, 350 HP Turbo-Jet 396 Cu.In.
Availability	Standard	RPO L22	Standard	RPO L30	RPO L79	Standard*	RPO L34
Carburetor	Single Bbl.	Single Bbl.	Two Bbl.	Four Bbl.	Four Bbl.	Four Bbl.	Four Bbl.
Gross Brake HP @ RPM	140 @ 4400	155 @ 4200	195 @ 4600	275 @ 4800	325 @ 5600	325 @ 4800	350 @ 5200
Gross Torque @ RPM (lb-ft)	220 @ 1600	235 @ 1600	285 @ 2400	355 @ 3200	355 @ 3600	410 @ 3200	415 @ 3400

\* Optional (RPO L35) on Sedan Pickups.

# ENGINE SPEED AND PISTON TRAVEL

## 230 CUBIC INCH SIX CYLINDER ENGINE

Transmission	3-Speed	Heavy Duty 3-Speed	3-Speed with Overdrive		Powerglide	
			OD Locked Out	OD Locked In		
Rear Axle Ratio	3.36:1		3.70:1		3.08:1 (a)	
Tire Size	7.35 x 14 (b)					
Crankshaft Revolutions per Mile	2657.8		2926.7	2048.7	2436.3	
Crankshaft RPM@1 MPH	Low	126.2	126.7	139.0	97.3	73.9
	Second	74.4	76.2	81.9	57.4	
	Third	44.3	44.3	48.8	34.1	40.6 (direct)
	Reverse	130.7	126.7	143.9	100.7	73.9
Piston Travel (ft/mile)	1439.6		1585.3	1109.7	1319.7	

(a) 3.36:1 on Station Wagons & Sedan Pickups.

(b) 7.75 x 14 standard on Station Wagons.

## 250 CUBIC INCH SIX CYLINDER ENGINE

Transmission	3-Speed	Heavy Duty 3-Speed	3-Speed with Overdrive		Powerglide	
			OD Locked Out	OD Locked In		
Rear Axle Ratio	3.08:1		3.70:1		3.08:1 (a)	
Tire Size	7.35 x 14 (b)					
Crankshaft Revolutions per Mile	2436.3		2926.7	2048.7	2436.3	
Crankshaft RPM@1 MPH	Low	115.7	116.1	139.0	97.3	73.9
	Second	68.2	69.8	81.9	57.3	
	Third	40.6	40.6	48.8	34.1	40.6 (direct)
	Reverse	119.8	116.1	143.9	100.7	73.9
Piston Travel (ft/mile)	1433.3		1721.9	1205.3	1433.3	

(a) 3.36:1 on Station Wagons & Sedan Pickups.

(b) 7.75 x 14 standard on Station Wagons.

## 283 CUBIC INCH V-8 ENGINE

Transmission	3-Speed	Heavy Duty 3-Speed	3-Speed with Overdrive		4-Speed	Powerglide	
			Locked Out	Locked In			
Rear Axle Ratio	3.08:1		3.70:1		3.08:1		
Tire Size	7.35 x 14 (a)						
Crankshaft Revolutions per Mile	2436.3		2926.7	3048.7	2436.3		
Crankshaft RPM@1 MPH	Low	115.7	116.1	139.0	97.3	126.3	73.9
	Second	68.2	69.8	81.9	57.3	89.3	
	Third	40.6	40.6	48.8	34.1	59.7	40.6 (direct)
	Fourth					40.6	
	Reverse	119.8	116.1	143.9	100.7	126.3	73.9
Piston Travel (ft/mile)	1218.1		1463.4	1024.3	1218.1		

(a) 7.75 x 14 standard on Station Wagons.

## 327 CUBIC INCH V-8 ENGINE

Transmission	RPO L30				RPO L79			
	3-Speed	H.D. 3-Spd	4-Speed	Powerglide	H.D. 3-Spd	4-Spd (2.52)	4-Spd (2.20)	Powerglide
Rear Axle Ratio	3.08:1				3.31:1			
Tire Size	7.35 x 14 (a)				7.75 x 14			
Crankshaft Revolutions per Mile	2436.3				2545.4			
Crankshaft RPM@1 MPH	Low	103.1	97.9	103.1	71.5	102.2	106.9	93.3
	Second	60.9	63.7	73.1		66.6	79.8	69.6
	Third	40.6	40.6	58.5	40.6 (direct)	42.4	62.4	53.9
	Fourth			40.6			42.4	42.4
	Reverse	106.8	97.9	103.1	71.5	102.2	109.9	95.9
Piston Travel (ft/mile)	1319.7				1378.8			

(a) 7.75 x 14 standard on Station Wagons and Malibu Sport Sedans and Convertibles.

## 396 CUBIC INCH V-8 ENGINE

Transmission	Standard (a)				RPO L34					
	H.D. 3-Spd	4-Spd	P/Gld	T/Hyd	H.D. 3-Spd	4-Spd*	4-Spd**	P/Gld	T/Hyd	
Rear Axle Ratio	3.31:1				3.07:1	2.73:1	3.55:1		3.31:1	3.07:1
Tire Size	F70-14 (b)									
Crankshaft Revolutions per Mile	2618.2		2428.4	2159.4	2808.0		2618.2	2428.4		
Crankshaft RPM@1 MPH	Low	105.2	110.0	71.2	89.3	112.8	117.9	103.0	76.8	100.4
	Second	68.5	82.0		53.3	73.5	88.0	76.8		60.0
	Third	43.7	64.1	40.5	36.0	46.8	68.8	59.4	43.7	40.5
	Fourth		43.6				46.8	46.8		
	Reverse	105.2	113.0	71.2	74.9	112.8	121.2	105.8	76.8	84.2
Piston Travel (ft/mile)	1640.7		1521.8	1353.2	1759.7		1640.7		1521.8	

(a) Standard on SS 396, Optional on Sedan Pickups (RPO L35).

(b) 7.75 x 14 standard on Sedan Pickups.

# VEHICLE PERFORMANCE FACTORS

ENGINE	BASE 230 CU.IN. 140 HP	BASE 283 CU.IN. 195 HP	RPO L30 327 CU.IN. 275 HP	BASE 396 CU.IN. 325 HP	RPO L34 396 CU.IN. 350 HP	BASE 230 CU.IN. 140 HP	BASE 283 CU.IN. 195 HP
MODEL	13369	13469	13469	13817	13817	13380	13480

## 3-SPEED TRANSMISSION

Performance Weight (pounds)	3725	3859	3899	4186	4183	3415	3544
Pounds per Gross Horsepower	26.61	19.79	14.18	12.88	11.95	24.39	18.17
Pounds per Cu.in. Displacement	16.20	13.64	11.93	10.57	10.56	14.85	12.52
Gross HP per Cu.in. Displacement	.609	.689	.841	.821	.884	.609	.689
Power Displacement (cu.ft./mile)	176.88	199.50	230.52	300.00	321.76	176.88	199.50
Displacement Factor (cu.ft./ton mile)	94.94	103.42	118.27	143.33	153.88	103.62	112.58

## 3-SPEED TRANSMISSION WITH OVERDRIVE

Performance Weight (pounds)	3752	3886				3442	3571
Pounds per Gross Horsepower	26.80	19.93				24.59	18.31
Pounds per Cu.in. Displacement	16.31	13.73				14.97	12.62
Gross HP per Cu.in. Displacement	.609	.689				.609	.689
Power Displacement (cu.ft./mile)	Locked Out	194.77	239.66			194.77	239.66
Displacement Factor (cu.ft./ton mile)	Locked in	136.34	167.76			136.34	167.76
Power Displacement (cu.ft./mile)	Locked Out	103.82	123.34			113.17	134.26
Displacement Factor (cu.ft./ton mile)	Locked in	72.68	86.34			79.22	93.98

## 4-SPEED TRANSMISSION

Performance Weight (pounds)		3866	3896	4156	4156		3551
Pounds per Gross Horsepower		19.83	14.17	12.86	11.87		16.64
Pounds per Cu.in. Displacement		13.66	11.91	10.50	10.50		12.53
Gross HP per Cu.in. Displacement		.689	.841	.821	.884		.689
Power Displacement (cu.ft./mile)		199.50	230.52	300.00	321.76		199.50
Displacement Factor (cu.ft./ton mile)		103.21	118.33	133.84	145.84		112.39

## TURBO HYDRA-MATIC

Performance Weight (pounds)				4237	4234		
Pounds per Gross Horsepower				13.04	12.10		
Pounds per Cu.in. Displacement				10.70	10.69		
Gross HP per Cu.in. Displacement				.821	.884		
Power Displacement (cu.ft./mile)				247.43	278.25		
Displacement Factor (cu.ft./ton mile)				116.82	131.44		

## POWERGLIDE\*

Performance Weight (pounds)	3735	3873	3913	4195	4192	3425	3558
Pounds per Gross Horsepower	26.68	19.86	14.23	12.91	11.98	24.46	18.25
Pounds per Cu.in. Displacement	16.24	11.57	11.97	10.60	10.59	14.89	12.57
Gross HP per Cu.in. Displacement	.609	.689	.841	.821	.884	.609	.689
Power Displacement (cu.ft./mile)	162.14	199.50	230.52	278.25	300.00	162.14	199.50
Displacement Factor (cu.ft./ton mile)	86.43	103.05	117.85	143.06	143.13	94.71	112.14

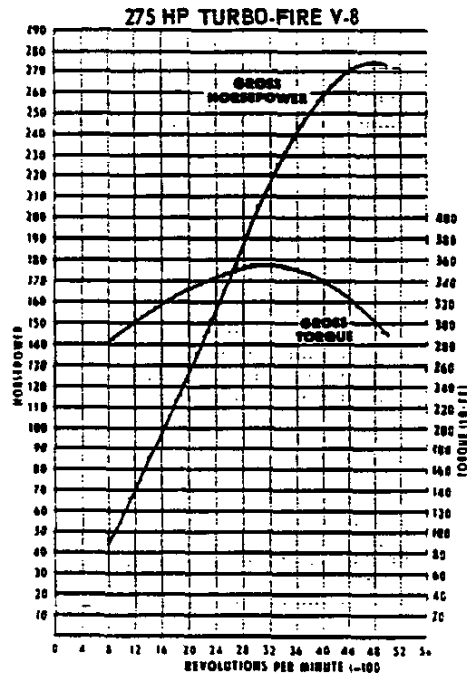
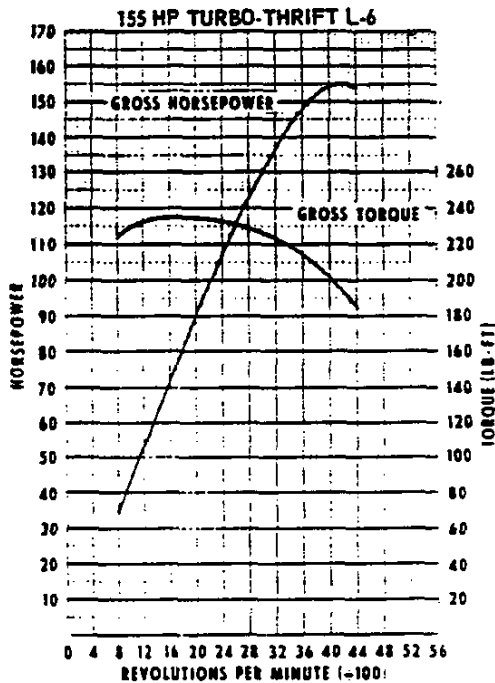
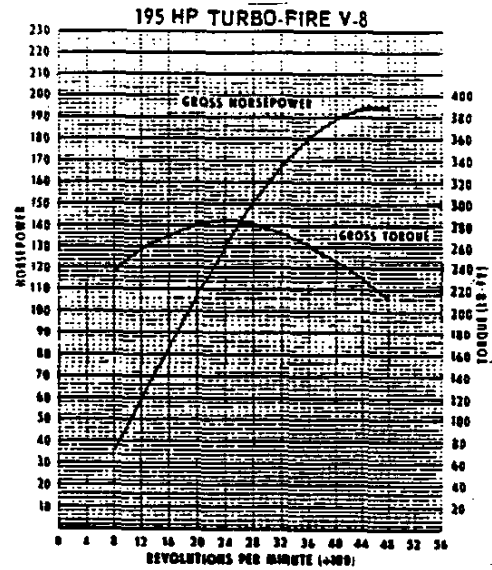
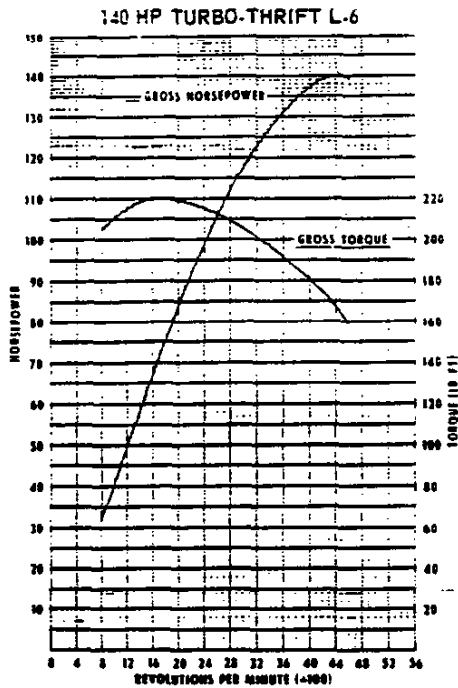
\* Data computed assuming zero slippage in torque converter.

## GLOSSARY

Performance Weight	Curb Weight plus 600 Lb* (weight of four 150 lb passengers)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

\* Models 13380 & 13480 two passengers, 300 lbs.

# ENGINE OUTPUT CURVES



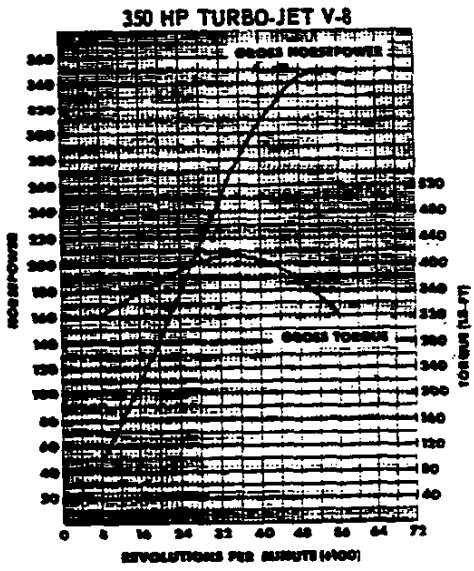
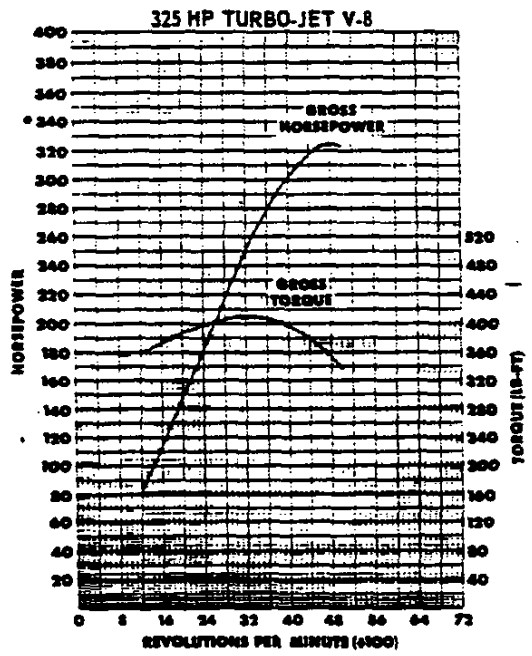
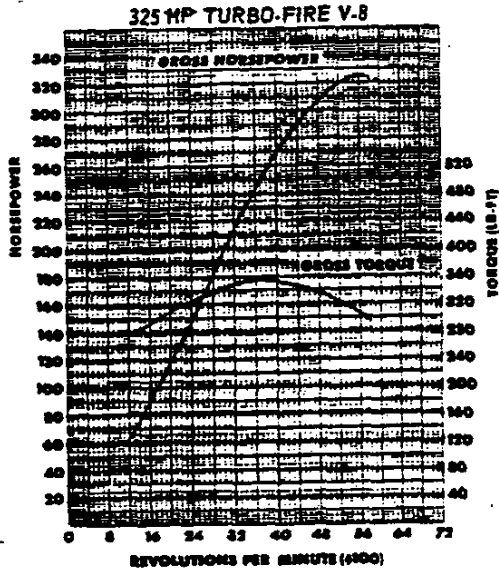
The engine output curves represent full throttle performance as obtained from dynamometer test data corrected to standard barometric pressure 29.92 inches of mercury and standard temperature of 60 degrees F.

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.

# ENGINE OUTPUT CURVES—Cont'd.



The engine output 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 degrees 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.

# PRINCIPAL COMPONENTS

## CYLINDER BLOCK

Material	-----	Cast alloy iron
Bore Diameter		
L6-230 & 250 Cu.in.	-----	3.8745-3.8775
V8-283 Cu.in.	-----	3.8745-3.8775
V8-327 Cu.in.	-----	3.9995-4.0025
V8-396 Cu.in.	-----	4.0925-4.0955
No. of Bulkheads		
L6	-----	7
V8	-----	5
Water Jacket	-----	Full length around each cylinder
Cylinder Numbering Arrangement		
L6	-----	1-2-3-4-5-6
V8	-----	Left bank 1-3-5-7 Right bank 2-4-6-8
Bore Spacing (Centerline to Centerline)		
L6-230 & 250 Cu.in.	-----	4.4
V8-283 & 327 Cu.in.	-----	4.4
V8-396 Cu.in.	-----	4.84

## CYLINDER HEAD

Material	-----	High chrome cast alloy iron
Bolt No. & Size		
L6-230 & 250 Cu.in.	-----	10; .500 dia. 13 threads/in.
V8-283 & 327 Cu.in.	-----	34; .4375 dia. 14 threads/in.
V8-396 Cu.in.	-----	32; .4375 dia. 14 threads/in.

## COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)		
L6-230 Cu.in.	-----	5.37 Cu.in.
L6-250 Cu.in.	-----	5.73 Cu.in.
V8-283 Cu.in.	-----	4.47 Cu.in.
V8-327 Cu.in. (RPO L30)	-----	4.69 Cu.in.
V8-327 Cu.in. (RPO L79)	-----	4.17 Cu.in.
V8-396 Cu.in.	-----	5.46 Cu.in.
V8-396 Cu.in. (RPO L34)	-----	5.46 Cu.in.

## INLET MANIFOLD

Material	-----	Cast alloy iron
V8-327 Cu.in. (L79)	-----	Cast aluminum alloy
Type		
L6-230 & 250 Cu.in.	-----	3 port, rectangular section
V8-283, 327 & 396 Cu.in.	-----	8 port, double deck
Heat Provision	-----	Exhaust gas crossover at carburetor mounting pad

## EXHAUST MANIFOLD

Material	-----	Cast alloy iron
Type		
L6-230 & 250 Cu.in.	-----	4 port, center downtake
V8-283 & 327 Cu.in.	-----	Dual, 4 port, rear downtake
V8-396 Cu.in.	-----	Tuned, dual, 4 port, rear downtake
Outlet Diameter	-----	2.0, (V8-396) 2.5

## CRANKSHAFT

Material		
L6-230 & 250 Cu.in.	-----	Cast nodular iron
V8-283 Cu.in.	-----	Cast nodular iron
V8-396 Cu.in. (Base S5)	-----	Nodular iron
V8-327 & 396 Cu.in. (RPO L34)	-----	Forged steel
End Play		
L6-230 & 250 Cu.in.	-----	.002-.006
V8-283 & 327 Cu.in.	-----	.002-.006
V8-396 Cu.in.	-----	.006-.010
Counter Weights		
L6-230 Cu.in.	-----	4
L6-250 Cu.in.	-----	12
V8	-----	6
Crank Arm Length		
L6-230 Cu.in.	-----	1.625
L6-250 Cu.in.	-----	1.765
V8-283 Cu.in.	-----	1.500
V8-327 Cu.in.	-----	1.625
V8-396 Cu.in.	-----	1.88
Torsional Damper		
L6	-----	Rubber mounted inertia
V8-283 Cu.in.	-----	None
V8-327 & 396 Cu.in.	-----	Rubber mounted inertia
Timing Gear		
L6	-----	Steel; helical cut
V8	-----	Steel; sprocket & chain
Pulley Pitch Diameter	-----	6.64

## MAIN BEARINGS

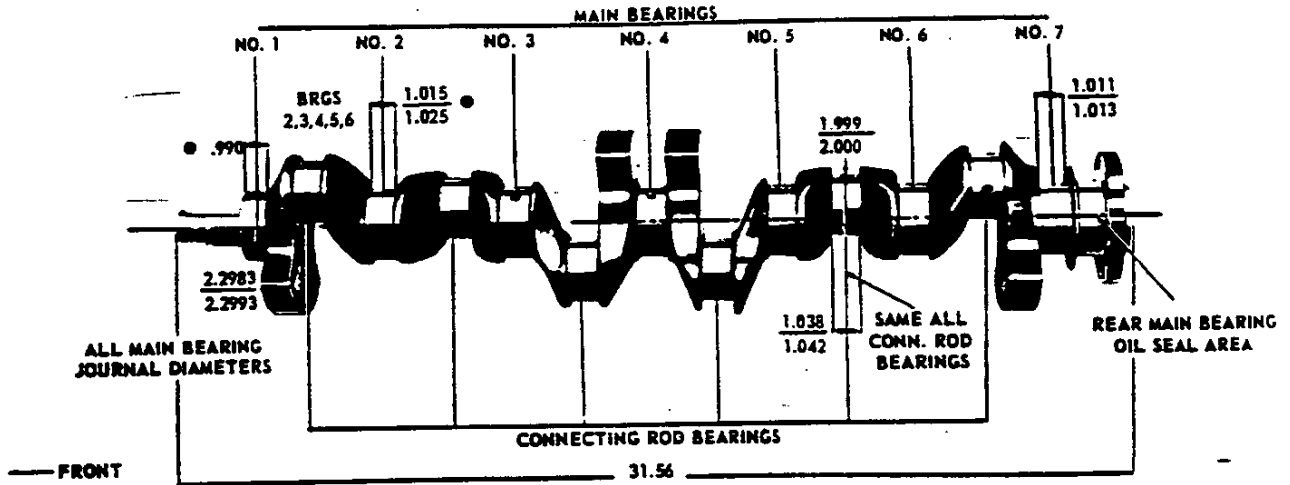
Material	-----	Steel, backed insert (selected bearing material - copper lead alloy or premium aluminum - for intended engine operation & application)
Type	-----	Precision removable
Thrust Against Bearing No.	-----	L6-No. 7; V8-No. 5
Clearance		
L6	-----	.0003-.0029
V8-283 & 327 Cu.in.	-----	(#1) .0008-.0020; (#2-3-4) .0008-.0024; (#5) .0015-.0031
V8-396 Cu.in.	-----	(#1 & 2) .0010-.0022; (#3 & 4) .0013-.0025; (#5) .0015-.0031

Dimensions	Theoretical	Effective	Projected
	Inner Dia.	Length	Area
L6-230 & 250 Cu.in.			
Bearing #1-6	2.3004	.752	1.7299
Bearing #7	2.3004	.760	1.7483
V8-283 Cu.in.			
Bearing #1	2.3003	.752	1.7298
Bearing #2-4	2.3004	.752	1.7299
Bearing #5	2.3009	1.177	2.7081
V8-327 Cu.in.			
Bearing #1	2.3003	.752	1.7298
Bearing #2-4	2.3004	.752	1.7299
Bearing #5	2.3009	1.177	2.7081
V8-396 Cu.in.			
Bearing #1-2	2.7505	.992	2.7285
Bearing #3-4	2.7505	.992	2.7285
Bearing #5	2.7506	1.2525	3.4451

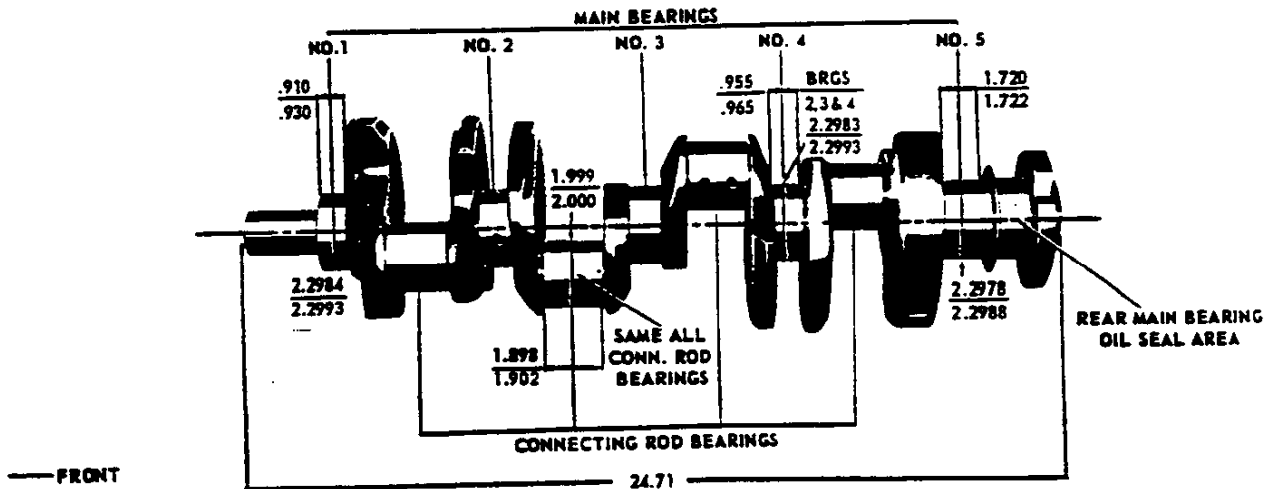
# PRINCIPAL COMPONENTS

## CRANKSHAFTS AND BEARINGS

### 230 CUBIC INCH SIX CYLINDER ENGINE



### 283 and 327 CUBIC INCH V-8 ENGINES



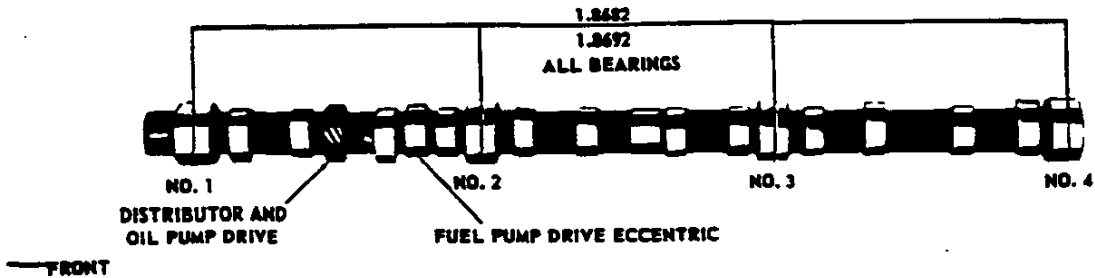
**CAMSHAFT**  
 Material ----- Cast alloy iron  
 Drive  
 L6 ----- Gear: bakelite and fabric composition  
 V8 ----- Sprocket & chain; steel  
 Lobe Lift  
 L6-230 & 250 Cu.in. ----- .2217 Inlet & Exhaust  
 V8-283 & 327 Cu.in. (RPO L30) ----- .2600 Inlet;  
 .2733 Exhaust  
 V8-327 Cu.in. (RPO L79) ----- .2981 Inlet & Exhaust  
 V8-396 Cu.in. ----- .2343 Inlet & Exhaust  
 V8-396 Cu.in. (RPO L34) -- .2714 Inlet; .2824 Exhaust  
 Camshaft Bearings ----- Steel backed babbit

**VALVE TRAIN**  
 Type ----- Individually mounted,  
 overhead rocker arms, push rod actuated  
 Lifters ----- Hydraulic  
 Rocker Arms ----- Stamped steel  
 Ratio  
 L6-230 & 250 Cu.in. ----- 1.75:1  
 V8-283 & 327 Cu.in. ----- 1.50:1  
 V8-396 Cu.in. ----- 1.70:1  
 Push Rods  
 Type ----- Hollow steel  
 Ends ----- Hardened  
 V8-327 Cu.in. (RPO L79) ----- Hardened steel  
 insert on rocker arm end

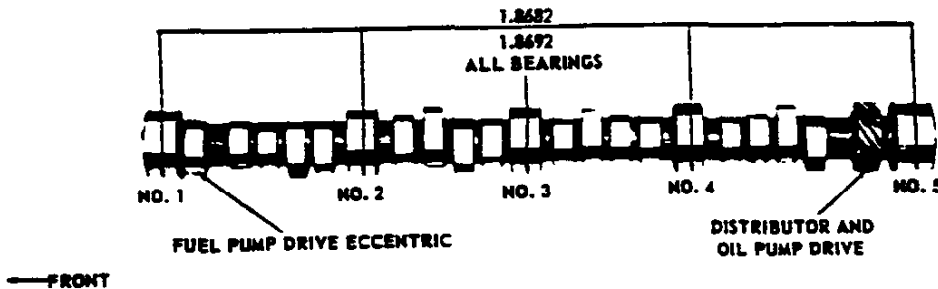
**VALVE SPRINGS**  
 Diameter  
 L6-230 & 250 Cu.in. ----- .872-.888  
 V8-283 & 327 Cu.in. ----- .868-.884  
 V8-396 Cu.in. ----- 1.082-1.098  
 Installed Length (in. @ lb.)  
 Valves closed  
 L6-230 & 250 Cu.in. ----- 1.66 @ 56-64  
 V8-283 & 327 Cu.in. ----- 1.70 @ 76-84  
 V8-396 Cu.in. ----- 1.88 @ 94-106  
 Valves opened  
 L6-230 & 250 Cu.in. ----- 1.27 @ 180-192  
 V8-283 & 327 Cu.in. ----- 1.25 @ 194-206  
 V8-396 Cu.in. ----- 1.38 @ 303-327  
 Free Length  
 L6-230 & 250 Cu.in. ----- 1.90  
 V8-283 & 327 Cu.in. ----- 2.03  
 V8-396 Cu.in. ----- 2.09  
 Valve Spring Damper  
 L6-230 & 250 Cu.in. ----- None  
 V8-283 & 327 Cu.in. ----- Flat steel, 4 coils  
 V8-396 Cu.in. ----- Flat steel, 3.62 coils  
 Oil Shield ----- Steel cup

## CAMSHAFT AND BEARINGS

### 230 CUBIC INCH SIX CYLINDER ENGINE



### 283 and 327 CUBIC INCH V-8 ENGINES

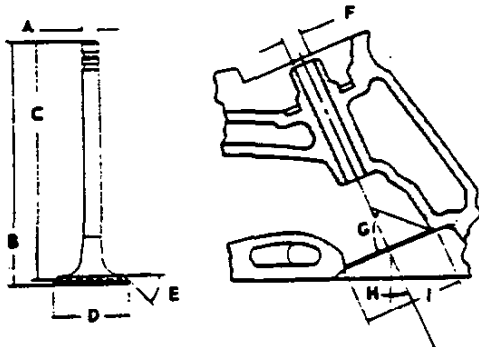




# PRINCIPAL COMPONENTS—Cont'd.

## INLET VALVES

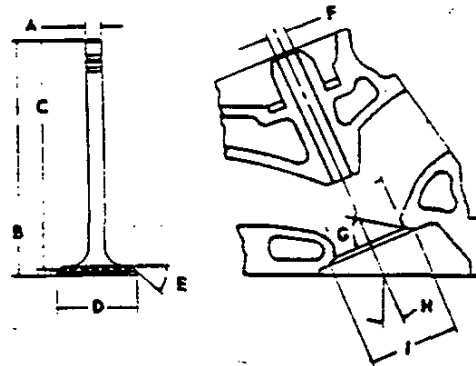
Material	-----	Alloy steel
Coating	-----	
L6, V8-283 & 327 Cu.in.	-----	None
V8-396 Cu.in.	-----	Face and head aluminized
Valve Guide Inserts (V8-396)	-----	Cast alloy iron



<b>A - Stem Diameter</b>		
L6	-----	.3410-.3417
V8-283 & 327 Cu.in.	-----	.3410-.3417
V8-396 Cu.in.	-----	.3715-.3722
<b>B - Overall Length</b>		
L6	-----	4.902-4.922
V8-283 Cu.in.	-----	4.902-4.922
V8-327 Cu.in.	-----	4.870-4.889
V8-396 Cu.in.	-----	5.215-5.235
<b>C - Gage Length</b>		
L6	-----	4.785-4.795
V8-283 & 327 Cu.in.	-----	4.785-4.795
V8-396 Cu.in.	-----	5.115-5.125
<b>D - Overall Head Diameter</b>		
L6 & V8-283 Cu.in.	-----	1.715-1.725
V8-327 Cu.in. (RPO L30)	-----	1.935-1.945
V8-327 Cu.in. (RPO L79)	-----	2.017-2.023
V8-396 Cu.in.	-----	2.060-2.070
<b>E - Angle of Face</b>	-----	45°
<b>F - Guide Diameter</b>		
L6	-----	.3427-.3437
V8-283 & 327 Cu.in.	-----	.3427-.3437
V8-396 Cu.in.	-----	.3732-.3742
<b>G - Angle of Seat</b>	-----	46°
<b>H - Valve Angle</b>		
L6	-----	9°
V8-283 & 327 Cu.in.	-----	23°
V8-396 Cu.in.	-----	4°
<b>I - Valve Seat (Cutter) Diameter</b>		
L6 & V8-283 Cu.in.	-----	1.770-1.790
V8-327 Cu.in. (RPO L30)	-----	1.990-2.010
V8-327 Cu.in. (RPO L79)	-----	2.020
V8-396 Cu.in.	-----	2.150

## EXHAUST VALVES

Material	-----	High alloy steel
Coating	-----	
L6	-----	None
V8-283 & 327 Cu.in.	-----	Aluminized face
V8-396 Cu.in.	-----	Face and head aluminized
Valve Guide Inserts (V8-396)	-----	Cast alloy iron



<b>A - Stem Diameter</b>		
L6	-----	.3410-.3417
V8-283 & 327 Cu.in.	-----	.3410-.3417
V8-396 Cu.in.	-----	.3713-.3720
<b>B - Overall Length</b>		
L6, V8-283 Cu.in.	-----	4.913-4.933
V8-327 Cu.in. (RPO L30)	-----	4.913-4.933
V8-327 Cu.in. (RPO L79)	-----	4.891-4.910
V8-396 Cu.in.	-----	5.345-5.365
<b>C - Gage Length</b>		
L6	-----	4.781-4.791
V8-283 & 327 Cu.in.	-----	4.781-4.791
V8-396 Cu.in.	-----	5.235-5.245
<b>D - Overall Head Diameter</b>		
L6, V8-283 Cu.in.	-----	1.495-1.505
V8-327 Cu.in. (RPO L30)	-----	1.495-1.505
V8-327 Cu.in. (RPO L79)	-----	1.595-1.605
V8-396 Cu.in.	-----	1.715-1.725
<b>E - Angle of Face</b>	-----	45°
<b>F - Guide Diameter</b>		
L6	-----	.3427-.3437
V8-283 & 327 Cu.in.	-----	.3427-.3437
V8-396 Cu.in.	-----	.3732-.3742
<b>G - Angle of Seat</b>	-----	46°
<b>H - Valve Angle</b>		
L6	-----	9°
V8-283 & 327 Cu.in.	-----	23°
V8-396 Cu.in.	-----	4°
<b>I - Valve Seat (Cutter) Diameter</b>		
L6, V8-283 Cu.in.	-----	1.550-1.570
V8-327 Cu.in. (RPO L30)	-----	1.550-1.570
V8-327 Cu.in. (RPO L79)	-----	1.600
V8-396 Cu.in.	-----	1.625

**VALVE LIFT**

L6-230 & 250 Cu.in. ----- .3880 Inlet & Exhaust  
 V8-283 & 327 Cu.in. (RPO L30) ----- .3900 Inlet;  
 .4100 Exhaust  
 V8-327 Cu.in. (RPO L79) ----- .4472 Inlet & Exhaust  
 V8-396 Cu.in. ----- .3983 Inlet & Exhaust  
 V8-396 Cu.in. (RPO L34) --- .4614 Inlet; .4800 Exhaust

**VALVE TIMING (Crankshaft degrees)**

	Excluding Ramps	Including Ramps
<b>L6-230 &amp; 250 Cu.in.</b>		
Inlet Valve (Zero lash)		
Opens - BTC	16°	62°
Closes - ABC	48°	94°
Duration	244°	336°
Exhaust Valve (Zero lash)		
Opens - BBC	46°30'	92°30'
Closes - ATC	17°30'	63°30'
Duration	244°	336°
<b>V8-283 &amp; 327 Cu.in. (RPO L30)</b>		
Inlet Valve (Zero lash)		
Opens - BTC	28°	38°
Closes - ABC	72°	92°
Duration	280°	310°
Exhaust Valve (Zero lash)		
Opens - BBC	78°	88°
Closes - ATC	30°	52°
Duration	288°	320°
<b>V8-327 Cu.in. (RPO L79)</b>		
Inlet Valve (Zero lash)		
Opens - BTC	40°	54°
Closes - ABC	86°	108°
Duration	306°	342°
Exhaust Valve (Zero lash)		
Opens - BBC	88°	102°
Closes - ATC	38°	60°
Duration	306°	342°
<b>V8-396 Cu.in.</b>		
Inlet Valve (Zero lash)		
Opens - BTC	28°	40°
Closes - ABC	78°	102°
Duration	286°	322°
Exhaust Valve (Zero lash)		
Opens - BBC	75°	87°
Closes - ATC	31°	55°
Duration	285°	322°
<b>V8-396 Cu.in. (RPO L34)</b>		
Inlet Valve (Zero lash)		
Opens - BTC	40°	56°
Closes - ABC	80°	114°
Duration	300°	350°
Exhaust Valve (Zero lash)		
Opens - BBC	88°	110°
Closes - ATC	32°	62°
Duration	300°	352°

**PISTONS**

**Material**

L6-230 & 250 Cu.in. ----- Cast aluminum alloy  
 V8-283 & 327 Cu.in. (RPO L30) -- Cast aluminum alloy  
 V8-396 Cu.in. (Base & RPO L34) -- Cast aluminum alloy  
 V8-327 (RPO L79) ----- Aluminum impact extruded

**Head Type**

L6, V8-283 & 327 Cu.in. (RPO L30) ---- Flat, notched  
 V8-327 Cu.in. (RPO L79) ----- Domed head  
 V8-396 Cu.in. ----- Domed head, valve cutout

**Skirt Type**

----- Slipper

**Top Land Clearance**

L6-230 & 250 Cu.in. ----- .0345-.0435  
 V8-283 Cu.in. ----- .0345-.0435  
 V8-327 Cu.in. (RPO L30) ----- .0365-.0455  
 V8-327 Cu.in. (RPO L79) ----- .0395-.0425  
 V8-396 Cu.in. ----- .0305-.0375

**Skirt Clearance**

L6, V8-283 & 327 Cu.in. (RPO L30) ---- .0005-.0011  
 V8-327 Cu.in. (RPO L79) ----- .0024-.0030  
 V8-396 Cu.in. ----- .0007-.0013

**Compression Ring Groove Depth**

L6-230 & 250 Cu.in. ----- .2153-.2215  
 V8-283 Cu.in. ----- .2153-.2218  
 V8-327 Cu.in. ----- .2217-.2283  
 V8-396 Cu.in. ----- .2253-.2318

**Oil Ring Groove Depth**

L6-230 & 250 Cu.in. ----- .2093-.2158  
 V8-283 Cu.in. ----- .2093-.2158  
 V8-327 Cu.in. ----- .2038-.2103  
 V8-396 Cu.in. ----- .2098-.2168

**Pin Bore Offset**

----- .055-.065  
 RPO L79 -- On center

**Compression Height**

L6-230 & 250 Cu.in. ----- 1.658-1.662  
 V8-283 Cu.in. ----- 1.799-1.801  
 V8-327 Cu.in. (RPO L30) ----- 1.674-1.676  
 V8-327 Cu.in. (RPO L79) ----- 1.673-1.677  
 V8-396 Cu.in. ----- 1.953-1.957

**PISTON PINS**

Material ----- Chromium steel

**Length**

L6, V8-283 & 327 Cu.in. ----- 2.990-3.010  
 V8-396 Cu.in. ----- 2.930-2.950

**Diameter**

L6, V8-283 & 327 Cu.in. ----- .9270-.9273  
 V8-396 Cu.in. ----- .9895-.9895

**Clearance in Piston**

L6, V8-283 & 327 Cu.in. ----- .00015-.00025  
 V8-396 Cu.in. ----- .00025-.00035

Pin Mounting ----- Locked in rod by shrink fit

# PRINCIPAL COMPONENTS—Cont'd.

## COMPRESSION RINGS - UPPER

Material	Cast alloy iron
Type	Inside bevel (bottom of ring 30 degrees to piston vertical axis) No inside bevel on V8-396
Face	
L6, V8-283 & 327 Cu.in. (RPO L30)	Tapered
V8-327 Cu.in. (RPO L79)	Straight edge
V8-396 Cu.in.	Barrel
Coating	Chrome plate face
V8-327 (RPO L79) & 396 Cu.in.	Molybdenum inlay
Width	
L6, V8-283 & 327 Cu.in. (RPO L30)	.0775-.0780
V8-327 (RPO L79) & 396 Cu.in.	.0770-.0775
Wall Thickness	
L6-250 Cu.in.	.184-.194
L6-230 Cu.in. & V8-283 Cu.in.	.179-.194
V8-327 Cu.in.	.190-.200
V8-396 Cu.in.	.194-.204
Gap	
L6 & V8-283 Cu.in.	.010-.020
V8-327 Cu.in. (RPO L30)	.013-.023
V8-327 (RPO L79) & 396 Cu.in.	.010-.020

## COMPRESSION RINGS - LOWER

Material	Cast alloy iron
Type	Inside bevel (top of ring 30 degrees to piston vertical axis for L6 & V8-283; 50 degrees for V8-327 & 396
Face	Tapered
Coating	Wear resistant
V8-327 (L79), V8-396 (L34)	Chrome plated
Width	
L6-250 Cu.in.	.0623-.0625
L6-230 & V8-283 Cu.in.	.0770-.0780
V8-327 & 396 Cu.in.	.0770-.0775
Wall Thickness	
L6 & V8-283 Cu.in.	.184-.194
V8-327 Cu.in. (RPO L30)	.164-.170
V8-327 Cu.in. (RPO L79)	.190-.200
V8-396 Cu.in.	.194-.204
Gap	
L6 & V8-283 Cu.in.	.010-.020
V8-327 Cu.in.	.013-.025
V8-396 Cu.in.	.010-.020
Expander (used with V8-327 Cu.in. L30 only)	
Material	Steel
Width	.068-.074
Wall Thickness	.0180

## OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Width (assembled)	
L6, V8-283 & 327 Cu.in.	.1870-.1890
V8-396 Cu.in.	.1820-.1890
Wall Thickness	
L6-230 Cu.in.	.150-.156
L6-250 Cu.in.	.152-.158
V8-283 & 327 Cu.in.	.150-.156
V8-396 Cu.in.	.137-.143
Gap	
L6, V8-283 & 327 Cu.in.	.015-.055
V8-396 Cu.in.	.010-.030
Rail Coatings	Chrome plated

## CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
L6, V8-283 & 327 Cu.in.	5.699-5.701
V8-396 Cu.in.	6.130-6.140

## CONNECTING ROD BEARINGS

Material	
L6, V8-283 Cu.in.	Copper lead alloy or sintered copper nickel backed babbit on steel
V8-327 & 396 Cu.in.	Premium aluminum
Type	Precision removable
Clearance	
L6, V8-283 Cu.in.	.0007-.0027
V8-327 Cu.in.	.0007-.0028
V8-396 Cu.in.	.0009-.0029
Theoretical I.D.	
L6, V8-283 Cu.in.	2.0016
V8-327 Cu.in.	2.0017
V8-396 Cu.in.	2.2014
Effective Length	
L6, V8-283 & 327 Cu.in.	.807
V8-396 Cu.in.	.857
End Play	
L6, V8-283 & 327 Cu.in.	.009-.013
V8-396 Cu.in.	.016-.020

# FUEL SYSTEM

## FUEL TANK

Capacity (Gal.)	20 (approximately)
Fuel Tank Location	Behind rear axle
Filler Location	
Station Wagons & El Camino	Left rear quarter panel
Remaining Models	Behind hinged rear license plate

## FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
In Carburetor inlet	
L6-230, 250 & V8-283 Cu. In.	Sintered bronze
V8-327 & 396 Cu. In.	Paper

## FUEL PUMP ASSEMBLY

Type	Mechanical; diaphragm
Drive	Camshaft, eccentric
Location	Right side front of engine
Pressure Range (at Carburetor)	
L6-230 & 250 Cu. In.	3.50-4.50 PSI
V8-283 Cu. In.	5.00-6.50 PSI
⊙V8-327 Cu. In. (RPO L30)	5.00-6.50 PSI
V8-327 Cu. In. (RPO L79)	5.00-6.50 PSI
V8-396 Cu. In. (Base SS)	5.00-6.50 PSI
V8-396 Cu. In. (RPO L34)	7.25-8.50 PSI

## AIR CLEANER

L6-230 & 250 Cu. In.	Cylindrical, single air horn
V8-283 & 327 Cu. In. (RPO L30)	Cylindrical, single air horn
V8-327 Cu. In. (RPO L79)	Cylindrical, single air horn, chrome plated
V8-396 Cu. In. (Base SS)	Cylindrical, single air horn, chrome plated
V8-396 Cu. In. (RPO L34)	Cylindrical, full circle intake, chrome plated
Diameter	
L6-230 & 250 Cu. In.	13.00
V8-283 Cu. In.	13.00
V8-327 Cu. In. (RPO L30)	16.78
V8-327 Cu. In. (RPO L79)	14.16
V8-396 Cu. In. (Base SS)	16.78
V8-396 Cu. In. (RPO L34)	14.16
Filter Element	Oil-wetted paper

## CARBURETORS

Make and Type	
L6-230 & 250 Cu. In.	Rochester, single barrel, downdraft
V8-283 Cu. In.	Rochester, 2-barrel, downdraft
V8-327 Cu. In. (RPO L30)	Rochester, Quadrajets
V8-327 Cu. In. (RPO L79)	Holley, 4-barrel, downdraft
V8-396 Cu. In. (Base SS)	Rochester, Quadrajets
V8-396 Cu. In. (RPO L34)	Holley, 4-barrel, downdraft

## SAE Flange Type

L6-230 & 250 Cu. In.	1.50
V8-283 Cu. In.	1.25
V8-327 Cu. In.	1.50
V8-396 Cu. In.	1.50

## Throttle Bore

L6-230 & 250 Cu. In.	1.56
V8-283 Cu. In.	1.44
V8-327 Cu. In. (RPO L30) & 396 Cu. In. (Base SS)	

Primary	1.38
Secondary	2.25

V8-327 Cu. In. (RPO L79) & 396 Cu. In. (RPO L34)

Primary & Secondary	1.562
---------------------	-------

Secondary Throttle Actuation By linkage approximately when primary valves are opened halfway between closed and open

## Venturi Diameter

L6-230 & 250 Cu. In.	1.34
V8-283 Cu. In.	1.09
V8-327 Cu. In. (RPO L30) & 396 Cu. In. (Base SS)	
Primary	1.09
Secondary	Air valve
V8-327 Cu. In. (RPO L79) & 396 Cu. In. (RPO L34)	
Primary	1.25
Secondary	1.313

## CHOKE

Type	Automatic
------	-----------

# EXHAUST AND VENTILATION SYSTEM

## TYPE

L6-230 & 250 Cu.In.	-----	Single
V8-283 & 327 Cu.In.	-----	Single
		with crossover pipes
V8-327 Cu.In. (RPO L79)	-----	Dual
V8-396 Cu.In.	-----	Dual

## MUFFLERS

Type ----- Oval, reverse flow  
 Construction ----- Heads and body joined  
 by rolled lock seam construction

### Head

L6-230, 250 & V8-283 Cu.In.	-----	.047 sheet steel, aluminized
V8-327 Cu.In. (RPO L30)	-----	.060 sheet steel, aluminized
V8-327 (RPO L79) & V8-396 Cu.In.		
Left hand	-----	.055 sheet steel, aluminized
Right hand	-----	.060 stainless steel

### Shell

L6-230 & 250 Cu.In.	-----	.035 sheet steel, zinc coated
V8-283 Cu.In.	-----	.035 sheet steel, zinc coated
V8-327 Cu.In. (RPO L30)	-----	.035 sheet steel, zinc coated
V8-327 (RPO L79) & V8-396 Cu.In.		
Left hand	-----	.035 sheet steel, zinc coated
Right hand	-----	.036 stainless steel

### Wrap

Wrap ----- .030 indented asbestos sheet  
 Cover ----- .018 sheet steel, aluminized

### Baffles

L6-230 & 250 Cu.In.		
No. 1, 3 & 4	-----	.047 sheet steel, zinc coated
No. 2	-----	.035 sheet steel, zinc coated
V8-283 & 327 (RPO L30) Cu.In.		
No. 1 & 4	-----	.047 sheet steel, zinc coated
No. 2 & 3	-----	.035 sheet steel, zinc coated
V8-327 (RPO L79) & V8-396 Cu.In.		
Left hand		
No. 1, 3 & 4	-----	.047 sheet steel, zinc coated
No. 2	-----	.035 sheet steel, zinc coated
Right hand		
No. 1, 2, 3 & 4	-----	.036 stainless steel

### Length, Body

L6-230 & 250 Cu.In.	-----	17.00
V8-283, 327 & 396 Cu.In.	-----	21.25
Width (I.D.)	-----	9.25
Height (I.D.)	-----	5.00

## EXHAUST CROSSOVER PIPE (V8-283 & 327 - RPO L30)

Dimensions (O.D.) ----- 2.00  
 Wall Thickness ----- .084-.104 laminated

## EXHAUST PIPE

Dimensions (O.D.)  
 L6-230, 250 & V8-283 Cu.In. ----- 2.00  
 V8-327 & 396 Cu.In. ----- 2.50  
 Wall Thickness  
 L6-230 & 250 Cu.In. ----- .037-.071  
 V8-283, 327 & 396 Cu.In. ----- .073-.091 laminated

## TAIL PIPES

Dimensions (O.D.)  
 L6-230, 250, V8-283 & 327 (RPO L30) Cu.In. ----- 1.875  
 V8-327 (RPO L79) & V8-396 Cu.In. ----- 2.25  
 Wall Thickness ----- .062-.076

## ENGINE VENTILATION

L6, V8-283, 327 (RPO L30) & 396 (Base SS) ---- Positive-type; fresh air metered into the engine through the oil filler cap. Unburned fumes drawn into the induction system, controlled by a regulating valve, and burned in the combustion chamber and expelled through the exhaust system.  
 V8-396 (RPO L34), V8-327 (RPO L79) ----- Closed-positive type; fumes drawn into induction system from crankcase via hose connected to left side rocker cover and base of carburetor and metering orifice at base of carburetor. Fresh air is picked up from carburetor air cleaner and ducted to right side rocker cover.

## AIR INJECTION REACTOR (California vehicles only)

Injection System  
 Point of Entry ----- Exhaust ports  
 Check Valve ----- Pressure (plate type)  
 Backfire Protection ----- Vacuum  
 actuated anti-backfire valve

### Air Injection Pump

Type ----- Semi-articulated vane type  
 Drive ----- Crankshaft pulley  
 Drive Ratio ----- 1.25:1  
 Relief Valve ----- Pressure (plate type)

# LUBRICATION SYSTEM

## GENERAL

Type ----- Controlled full pressure  
 Main Bearings ----- Pressure  
 Connecting Rods ----- Pressure  
 Piston Pins ----- Splash  
 Cylinder Walls  
 L6 ----- Main and conn. rod bearing throw off  
 V8 ----- Pressure, jet cross sprayed  
 Camshaft Bearings ----- Pressure  
 Valve Lifters ----- Pressure  
 Rocker Arms ----- Pressure  
 Timing Gears  
 L6 ----- Nozzle sprayed  
 V8 ----- Centrifugally oiled from camshaft bearing

### Oil Pressure Sending Unit

Type ----- Electric  
 Actuation ----- Opens or closes circuit @ 2 to 6 PSI

### Oil Filler

Cap ----- Oil wetted crimped aluminum breather  
 V8-396 -- Positive seal

### Location

L6 ----- Forward end of rocker cover  
 V8-283 & 327 Cu.in. --- Left front of intake manifold  
 V8-396 Cu.in. ----- Top center of right rocker cover

## CRANKCASE CAPACITIES (Quarts)

### Refill

L6-230 & 250 Cu.in. ----- 4

V8-283, 327 & 396 Cu.in. ----- 4

### Refill with Filter Change

L6-230 & 250 Cu.in. ----- 5

V8-283, 327 & 396 Cu.in. ----- 5

## ● LUBRICANT GRADES AND TEMPERATURES

32° F and Above ----- SAE20W or SAE10W-30

0° F to 32° F ----- SAE10W or SAE10W-20

Below 0° F ----- SAE5W or SAE5W-20

Alternate ----- SAE5W-30 can be used  
 at temperatures below freezing

## OIL PUMP

Type ----- Gear  
 Regulator Valve ----- Opens between 40-45 lbs.  
 Oil Pressure (no flow conditions)  
 L6, V8-283 & 327 Cu.in. ----- 30-45 PSI @ 1500 RPM  
 V8-396 Cu.in. ----- 50-75 PSI @ 2000 RPM  
 Intake Type ----- Fixed pickup with screen  
 Capacity (GPM @ Engine RPM)  
 L6-230 & 250 Cu.in. ----- 4.3 @ 2000  
 V8-283 & 327 Cu.in. ----- 4.3 @ 2000  
 V8-396 Cu.in. ----- 6.0 @ 2000

## OIL FILTER

Type  
 L6 ----- Full flow, throw away canister  
 V8 ----- Full flow, replaceable element  
 Location  
 L6 ----- Right side front of engine  
 V8 ----- Left rear side of engine  
 Capacity  
 L6 ----- One quart  
 V8 ----- One quart  
 Bypass Valve ----- Opens between 9 to 11 PSI  
 drop in pressure

## ● OIL PAN DRAIN PLUG

Type ----- Hex head  
 Location  
 L6 ----- Front lower face of oil pan sump  
 V8 ----- Left lower face of oil pan sump  
 Size of Hex Head ----- .860-.875  
 Thread ----- 1/2-20 UNF 2A  
 Length ----- 0.81  
 Diameter ----- .410-.430

## OIL DIPSTICK - LOCATION

● L6 ----- Right side rear of engine block  
 V8-283 & 327 Cu.in. ----- Left side, rear of engine block  
 V8-396 Cu.in. ----- Right side, center direct to oil pan

# COOLING SYSTEM

## GENERAL

Type	Liquid, pressurized
● Capacity with Heater (Standard Equipment)	
L6-230 Cu.in.	11 qts
L6-250 Cu.in.	11 qts
V8-283 Cu.in.	16 qts
V8-327 Cu.in. (RPO L30)	15 qts
V8-327 Cu.in. (RPO L79)	16 qts
V8-396 Cu.in.	23 qts

## RADIATOR

Make and Type	Harrison, tube and center
Core constant and thickness	
Distance between fins	
L6-230 Cu.in.	.25 Syn., .20 P/Gld
L6-250 Cu.in.	.25 Syn., .20 P/Gld
V8-283 Cu.in.	.22 Syn. & P/Gld
V8-327 Cu.in. (RPO L30)	.20 Syn. & P/Gld
V8-327 Cu.in. (RPO L79)	.16 Syn.
V8-396 Cu.in. (Base SS)	.18 Syn., .16 P/Gld
V8-396 Cu.in. (RPO L34)	.16 Syn. & P/Gld
Distance between tubes	
.55	
Thickness of core	
L6-230 & 250; V8-283 & 327 (RPO L30)	1.26
V8-327 (RPO L79)	1.75
V8-396 Cu.in.	1.98
Frontal area (sq.in.)	
L6-230 & 250 Cu.in.	323
V8-283 & 327 (RPO L30) Cu.in.	357
V8-327 (RPO L79) & V8-396 Cu.in.	391

## RADIATOR HEAVY DUTY (RPO V01)

Core constant and thickness	
Distance between fins	.16 Syn. & P/Gld
Distance between tubes	.55
Thickness of core	
L6-230 & 250 Cu.in.	1.26
V8-283 & 327 (RPO L30) Cu.in.	1.75
V8-327 (RPO L79) & V8-396 Cu.in.	1.98
Frontal area (sq.in.)	
L6-230 & 250 Cu.in.	357
L6-283 Cu.in.	391 Syn., 404 P/Gld
V8-327 Cu.in. (RPO L30)	391 Syn., 404 P/Gld
V8-327 (RPO L79) & V8-396 Cu.in.	391

## RADIATOR CAP RELIEF VALVE

Opens at ----- Approximately 15 PSI

## THERMOSTAT

Type	Pellet
Begins to open at	192° - 198° for L6 177° - 183° for V8
Fully opened at	227° for L6 212° for V8
Thermostat Bypass Hose	
V8-327 (RPO L79) & V8-396 Cu.in. only	.745 ID

## RADIATOR HOSE

Outlet, lower (radiator to water pump)	
L6-230 & 250; V8-283 & 327 Cu.in.	1.75 ID
V8-396 Cu.in.	1.88 ID
Inlet, upper (thermostat hsg. to radiator)	
L6-230 & 250 Cu.in.	1.50 ID
V8-283, 327 & 396 Cu.in.	1.50 ID

## FAN

Number of blades	4
Diameter	17.62
Fan pulley pitch diameter	7.00

## BELTS, CRANKSHAFT, FAN AND GENERATOR

Number used	One
Angle of "V"	38° - 42°
Pitch line	
L6-230 & 250 Cu.in.	39.00
V8-283 Cu.in.	53.50
V8-327 Cu.in.	53.50
V8-396 Cu.in.	56.20
Width	.380

## WATER PUMP

Type	Centrifugal
Capacity	
L6-230 & 250 Cu.in.	60 GPM @ 4400 Engine RPM
V8-283 Cu.in.	54 GPM @ 4400 Engine RPM
V8-327 Cu.in.	57 GPM @ 4400 Engine RPM
V8-396 Cu.in.	82 GPM @ 5200 Engine RPM
Bearing	Permanently lubricated double row ball
Drive	Fan belt
Ratio (Pump to Engine RPM)	.949:1

## DRAIN LOCATIONS AND TYPE

Radiator - Plug	
L6-230, 250 & V8-283 Cu.in.	Lower right side, under face of tank
V8-327, 396 & Heavy Duty	Lower right side, rear face of tank
Engine Block - Plug	
L6-230 & 250 Cu.in.	Left side rear
V8-283 & 327 Cu.in.	Right and left center
V8-396 Cu.in.	Left side - rear of block Right side - center of block

# ELECTRICAL SYSTEM

## SUPPLY SYSTEM

### BATTERY

Voltage Rating ----- 12  
 Capacity (SAE)  
 L6-230, 250 & V8-283 ----- 45 amp hr  
 @ 20 hr rate  
 V8-327 & 396 ----- 61 amp hr @ 20 hr rate  
 Heavy Duty (RPO T60) ----- 70 amp hr @ 20 hr rate  
 Total Number of Plates  
 L6-230, 250 & V8-283 ----- 54  
 V8-327, 396 and Heavy Duty ----- 66  
 Number of Cells ----- 6  
 Terminal Grounded ----- Negative  
 Location ----- Right front engine compartment

Test Conditions ----- Engine at operating temp.  
 No Load Test

Amps  
 L6-230, 250 & V8-283 ----- 58-87  
 V8-327 ----- 65-100  
 V8-396 ----- 70-99  
 Volts ----- 10.6  
 RPM  
 L6-230, 250 & V8-283 ----- 8450-10700  
 V8-327 ----- 3600-5100  
 V8-396 ----- 7800-12000

### Motor Drive

Engagement ----- Solenoid  
 Pinion Tooth No. ----- 9  
 Flywheel Tooth No. ----- 153; V8-396 ----- 168  
 Mounting ----- Bolted to cylinder block flange

## GENERATOR

Type ----- Diode rectified  
 Rating  
 Amps ----- 9-37  
 Volts ----- 12-15  
 Drive ----- By fan belt  
 Pulley Pitch Diameter ----- 2.70  
 Ratio (Gen. to Engine Speed) ----- 2.46:1

## IGNITION SYSTEM

DISTRIBUTORS ----- Refer to chart below

## COIL

Type ----- 12-Volt  
 Amperes Drawn  
 Engine Stopped ----- 4.0  
 Engine Idling ----- 4.8

## REGULATOR

Type ----- Two unit, vibrator  
 Voltage Regulator  
 Voltage ----- 13.8-14.8 @ 85 degrees F  
 Field Relay (Combination Light and Field Relay)  
 Closing Voltage ----- 1-3 volts @ 80 degrees F  
 Location ----- Left side front engine compartment

## SPARK PLUGS

Type  
 L6-230 & 250 ----- AC46N (long reach)  
 V8-283 ----- AC45  
 V8-327 ----- AC44  
 V8-396 ----- AC43N  
 Thread Size (mm) ----- 14  
 Gap ----- .033-.038  
 Torque ----- 25 lb ft

## STARTING SYSTEM

### STARTING MOTOR

Rotation (Drive End View) ----- Clockwise

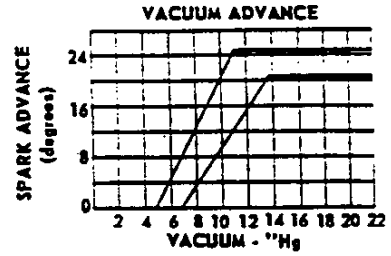
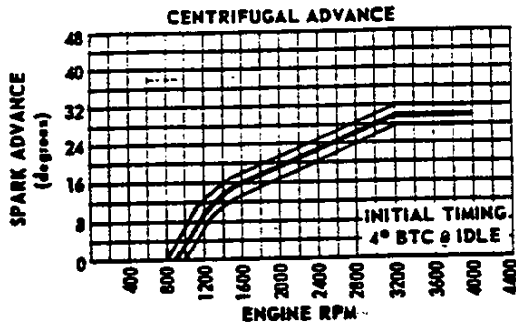
CABLE ----- Linnen core impregnated  
 with electrical conducting material and  
 insulation of rubber with neoprene jacket.

DISTRIBUTORS	L-6	L-6	V-8	V-8	V-8	V-8	V-8
	230 Cu.in. 140 HP	250 Cu.in. 155 HP	283 Cu.in. 195 HP	327 Cu.in. 275 HP	327 Cu.in. 325 HP	396 Cu.in. 325 HP	396 Cu.in. 350 HP
Model	1110362	1110351	1111150	1111249	1111195	1111169	1111170
Type	Single Breaker						
Cam angle	31°-34°			28°-32°			
Breaker gap	.019 (new)						
Breaker arm tension	19-23 oz						28-32 oz.
Centrifugal advance begins (RPM)	900						
Max degrees @ RPM	30 @ 3200	28 @ 2800	28 @ 4200	26 @ 4100	30 @ 5100	32 @ 5000	32 @ 5000
Vacuum advance begins (in. Hg)	6.00	6.00	8.00	8.00	6.00	8.00	7.00
Max degrees @ in. Hg	21 @ 14.5	21 @ 14.5	15 @ 15.5	15 @ 15.5	15 @ 12	15 @ 15.5	12 @ 12
Timing (initial design setting) (Crankshaft degrees @ RPM with vacuum line disconnected)	4° BTDC @ 500	4° BTDC @ 300	4° BTDC @ 500	8° BTDC @ 500	10° BTDC @ 700	4° BTDC @ 500	4° BTDC @ 550
Timing mark location	Harmonic balancer						

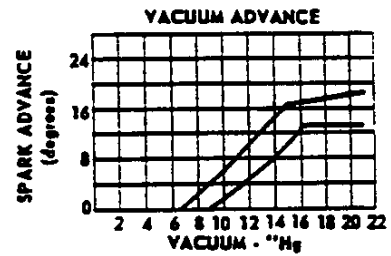
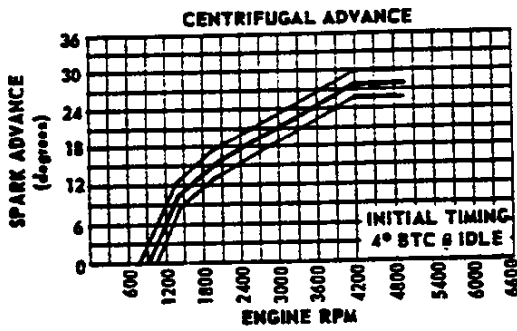


# ELECTRICAL SYSTEM—Cont'd.

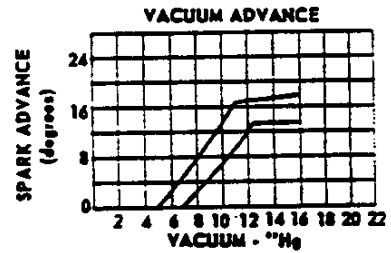
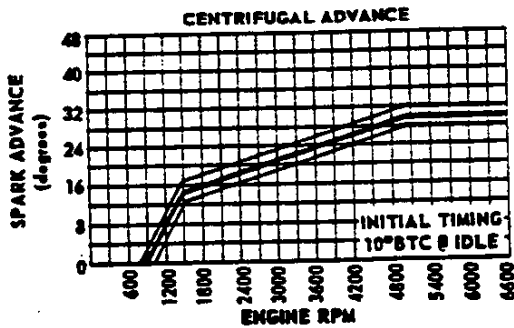
## 230 CUBIC INCH L-6 ENGINE



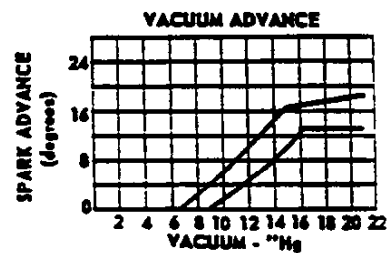
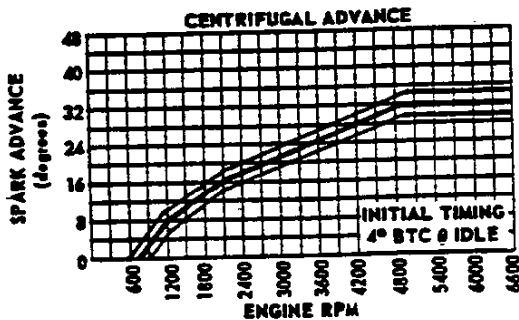
## 283 CUBIC INCH V-8 ENGINE



## 327 CUBIC INCH V-8 ENGINE (RPO L79)



## 396 CUBIC INCH V-8 ENGINE



# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine	Type	L6-230		L6-250	L6-230		V8-283		V8-327		V8-396		
	Availability	Base	RPO L22	Base	Base	Base	Base	RPO L30 & L79	Base	RPO L34	Base	RPO L34	
Clutch for		3-Spd		M01*	3-Spd	M01*	4-Spd	3-Spd & 4-Spd	M01*	3-Spd & 4-Spd			
Type		Single dry disc						Single dry disc, centrifugal					
Clutch cover & pressure plate	Eff. plate load, lbs.	1650-1850		1900-2200	1750-2000	1700-1950	2100-2300		2450-2750				
	Press. plate mat.	Cast iron						Nodular iron					
	Clutch spring type	Diaphragm						Diaphragm, bent finger design					
	Clutch spring mat.	Heat treated spring steel											
Driven plate	Type	Single disc with two friction surfaces											
	Cushions	Flat spring steel between friction rings											
	Dampers	(a)		(b)	12 coil springs (6 sets of two)			10 coil springs (5 sets of two)					
	Friction rings	OD	9.12		10.00	10.00	11.00	10.40		11.00			
		ID	6.12		6.00	6.50	6.50	6.50		6.50			
		Total area sq.in.	71.82		100.53	90.71	123.70	103.5		123.70			
Material	Woven type asbestos (c)												
Flywheel & Ring gear	Flywheel Material	Cast iron											
	Material	Heat treated HR steel											
	Ring gear No. of teeth							153		166			
	Ring gear PD							12.75		14.00			
Bearings	Release	Type	Shrink fit										
		Lubrication	Single row ball										
	Pilot	Type	None, prepacked										
		Lubrication	Bronze bushing										
Controls	Clutch fork	Drop forged steel, pivot mounted on ball											
	Pedal mounting	Pendant, from brace on dash											
	Lubrication	Crossover shaft											
Clutch housing material	Aluminum alloy												

- \* M01 - Option for Heavy Duty Clutch
- (a) 6 outer coil springs and 3 inner coil springs equally spaced
- (b) 6 coil springs
- (c) Woven front and molded rear asbestos ring on Heavy Duty Clutch for 230 Cu.in.

## 3-SPEED AND 4-SPEED TRANSMISSIONS

Transmission Type		3-Speed				Heavy Duty 3-Speed					4-Speed				
Engine Application	Type	L-6 230	V-8 283	L-6 250	V-8 327	L-6 230	V-8 283	L-6 250	V-8 327	V-8 396	V-8 283	V-8 327	V-8 396	V8 327	
	Availability	Standard		L22	L30	Standard		L22	L30 & L79	Base & L34	Std.	L30	Base	L79 & L34	
Case material		Cast iron											Alum.		
Gear Shift	Type	Helical													
	Control	Remote													
	Location	Steering column						Floor							
Gears	Material	Forged steel, hardened													
	Synchronization	All forward gears													
	Constant mesh gear	All gears													
	Sliding gears		None												
			All forward gears												
			Reverse												
		First	2.85		2.54	2.86			2.41	3.11	2.54	2.52   2.32   2.22			
Second		1.68		1.50	1.72			1.57	2.20	1.80	1.88   1.88   1.64				
Third	1.00		1.00	1.00			1.00	1.47	1.44	1.47   1.47   1.37					
Fourth								1.00	1.00	1.00   1.00   1.00					
Reverse	2.95		2.63	2.86			2.41	3.11	2.54	2.59   2.59   2.22					
Lubricant	Type	Meeting Military Specification MIL-L-2105B													
	Capacity (qt.)	3				3.5					3				
Extension	Material	Cast iron													
	Oil seal	Steel encased double seal of spring loaded rubber or felt													

# TRANSMISSIONS—Cont'd.

## OVERDRIVE TRANSMISSION (RPO M10)

### GENERAL

Type ----- 3-pinion planetary drive unit  
 Description ----- Adaptable to 3-speed transmission. Overdrive drive unit with integral mainshaft replaces mainshaft and extension of 3-speed  
 Operation ----- Activation by manually operated pull type lockout switch located under instrument panel to right of steering column; when fully extended, overdrive unit is inoperative. Overdrive unit can be over-ridden by a downshift switch located at the carburetor and controlled by the accelerator pedal; over-riding achieved by tramping accelerator.  
 Lubricant  
 Type ----- Meeting Military Specification MIL-L-2105-B  
 Viscosity ----- SAE 80  
 Capacity (pts) ----- Total 3 pints  
 Gear ratios with overdrive locked in Regular production and optional L-6 engines  
 First ----- 1.995  
 Second ----- 1.176  
 Third ----- 0.700  
 Output shaft RPM  
 Cut-in ----- 1440  
 Cut-out ----- 1100

## AUTOMATIC TRANSMISSION (RPO M35)

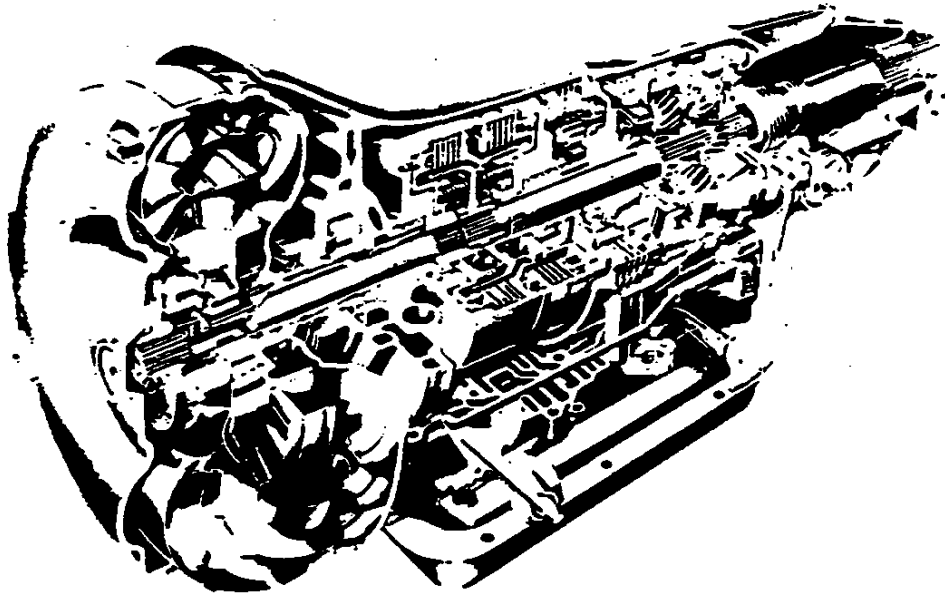
Engine	Type	L-6 230 Cu.In.	V-8 283 Cu.In.	L-6 230 Cu.In.	V-8 327 Cu.In.	V-8 396 Cu.In.		
	Availability	Standard		RPO L22	RPO L30	Base & L35	RPO L34	
General data	Type	Automatic hydraulic torque converter with planetary gear system for low and reverse						
	Selector lever	Location	Steering column (a)					
		Operation	Actuates manual valve in hydraulic control system					
	Parking lock	Quadrant pattern	P-R-N-D-L					
		Type	Pawl and gear (on planetary)					
Hydraulic controls	Operation	Applied by selector lever thru spring loaded linkage						
	Method of cooling	Water						
	Flywheel assembly	Steel stamping with welded on ring gear						
	Manual valve type	Spool						
	Pressure regulator valve type	Spool						
	Pressure @ Idle (b)	Drive	51	51	51	51	51	51
		Low	112	122	112	112	132	132
Reverse		86	92	86	86	85	85	
Converter assembly	Type	Three element						
	Pump	Inner and outer shear steel shells separated by shear steel vanes. Outer shell is pump housing which is welded to converter housing.						
	Turbine	Inner and outer shells separated by shear steel vanes. Assembly supported in converter cover. Operation independent of cover and pump housing.						
	Stator	Aluminum air foil supported on a stationary sleeve by an over-running clutch of cam and roller design.						
	Stall torque ratio	2.10						
	Stall speed (RPM)	1560	1530	1620	1680	1880	1860	
	Diameter (nominal)	11.0		11.0		11.75		

(a) Floor mounted when used with bucket seats  
 (b) Conditions: 450 RPM input at 25 inches Hg vacuum

### AUTOMATIC TRANSMISSION — CONTINUED

Engine	Type		L-6	V-8	L-6	V-8	V-8 396 Cu.In.		
			230 Cu.In.	283 Cu.In.	250 Cu.In.	327 Cu.In.	Base & L35	RPO L34	
	Availability		Standard				RPO L22	RPO L30	
	Type		Compound planetary						
Planetary gear set	Range	Drive	1.82 to 1			1.76 to 1			
		Low	1.82			1.76			
		Reverse	1.82			1.76			
	Low band	Three linked circular segments							
	Low band servo		Piston with release spring and inner cushion spring						
Case	Material		Aluminum (one piece)						
Output shaft RPM & vehicle speed (MPH)	N/V factor		41.4	41.4	41.4	41.4	40.5	43.6	
	Upshift	Closed throttle	650(16)	650(16)	650(16)	660(16)	670(17)	680(16)	
		Throttle at detent	1970(48)	2085(50)	1970(48)	2340(57)	2485(61)	2740(63)	
	Downshift	Full throttle	2285(55)	2405(58)	2285(55)	2745(66)	2955(73)	3255(75)	
		Closed throttle	605(15)	605(15)	605(14)	615(15)	625(15)	630(14)	
		Throttle at detent	1200(30)	825(20)	1220(29)	885(21)	760(19)	815(19)	
Full throttle		2125(51)	2270(55)	2135(52)	2585(62)	2770(68)	3055(70)		
High clutch	Type		Multi-disk						
	Drive plates	Description	Waved steel with bonded organic facings						
		Number	3	4	3	4			
	Driven plates	Description	Flat steel						
Number		4	5	4	5				
Reverse clutch	Type		Multi-disk						
	Drive plates	Description	Flat steel with bonded organic facings						
		Number	4	4	4	5	6		
	Reaction plates	Description	Flat steel						
Number		4	4	4	5	6			
Torque Multi- plication	Maximum overall ratio		3.82				3.70		
	Low and reverse		3.82 to 1.82				3.70 to 1.76		
Lubricant	Type		A suffix A						
	Capacity (pcs)	Dry	17				19		
		Refill	6				6.5		
Governor	Type		Centrifugal						
	Operation	Regulates pump oil pressure to automatic shift control valve body							
	Drive	Mounted on output shaft							
Oil pump	Location		In extension						
	Type		Internal-external gear						
	Number	One; from							
Function	To supply pressure								
	Drive	Converter pump							

# TRANSMISSIONS —Cont'd.



## TURBO HYDRA-MATIC TRANSMISSION (RPO M40)

(Available with 396 Cu.in. Engines only)

### GENERAL DATA

Type ----- Three element automatic hydraulic torque converter with a compound planetary gear set that produces three forward speeds and reverse

Selector Lever  
Location ----- Steering column; floor mounted on models using bucket seats

Operation ----- Actuates automatic controls by a hydraulic system from a pressurized gear type pump

Quadrant Pattern --- Six positions: P-R-N-D-L2-L1

External Control Connections  
Manual Linkage ----- Selects desired operating range by means of selector lever

Vacuum Modulator ----- Senses change in the torque input to the transmission and assures smooth shifts

Detent Solenoid ----- Actuated by electric switch or the carburetor causing the transmission to downshift under full throttle conditions at car speeds below 70 miles per hour

### Parking Lock

Type ----- Locking pawl  
Operation ----- Applied by selector lever through manual linkage

Method of Cooling ----- Water

### TORQUE CONVERTER

Driving Member (Pump) ----- Multivane type, sheer metal blade, spot welded to steel pump housing that is an integral part of the converter housing

Driven Member (Turbine) ----- Steel axial flowblades assembled between inner and outer steel shells

Stator Assembly ----- Aluminum multivane type blades mounted on a one way roller clutch

Stall Ratio ----- 2.04  
Stall Speed (RPM) ----- 2100  
Diameter (Nominal) ----- 12.83

### CLUTCHES

Type ----- Three, multiple disk  
Material -----  
Drive plates ----- Waved steel  
with bonded organic facings  
Driven plates ----- Flat steel  
Forward clutch ----- Five each  
drive and driven plates  
Direct clutch ----- Five each  
drive and driven plates  
Intermediate clutch ----- Three each  
drive and driven plates  
Release spring ----- Radial row steel coil

### PLANETARY GEAR UNIT

Front ----- Reaction carrier assy ----- Four  
steel pinion gears  
Rear ----- Output carrier assy ----- Four  
steel pinion gears  
Gear Ratios -----  
D(Drive) ----- 2.48:1, 1.48:1, 1.00:1  
L2(Low two) ----- 2.48:1, 1.48:1  
L1(Low one) ----- 2.48:1  
R(Reverse) ----- 2.08:1  
Front Band -----  
Type ----- One, circular steel with organic lining  
Function ----- Provides  
engine braking in 2nd gear with  
selector lever in L2 and L1 range  
Rear Band -----  
Type ----- Double wrap  
circular steel with organic lining  
Function ----- Provides engine braking  
Lo range 1st gear; also in reverse  
range the band holds the reaction  
carrier to apply reverse gear ratio  
Servo units ----- Piston with  
release spring and timer cushion  
spring that activates the bands

### HYDRAULIC SYSTEM

Oil pressure pump ----- Supplies  
hydraulic pressure by gear type  
pump which is engine driven  
Pump pressure (450 RPM input @ 25 in. Hg vacuum)  
Park ----- 70 PSI  
Neutral ----- 70 PSI  
Drive (First, second, third) ----- 70 PSI  
L2 (First, second) ----- 150 PSI  
L1 ----- 150 PSI  
Reverse ----- 107.5 PSI  
Valves -----  
Type ----- Steel spool  
Manual ----- Establishes range  
at transmission operation  
Pressure regulator ----- Controls  
main line pressure  
Shift (1-2) ----- Controls oil pressure  
for trans. shift from 1-2 or 2-1  
Shift (2-3) ----- Controls oil pressure  
for trans. shift from 2-3 or 3-2  
Modulator ----- Regulates line pressure  
with modulator oil pressure that  
varies with torque to transmission  
Accumulator ----- To obtain greater flexibility  
in attaining desired shift curve  
for various engine requirements  
Governor -----  
Type ----- Cross-axis centrifugal  
Operation ----- Regulates a pressure  
proportional to car speed which acts upon the  
(1-2)(2-3) shift valves and modulator valve

### LUBRICANT

Type ----- A suffix A  
Capacity ----- 22 pts  
Refill ----- 8 pts  
Oil cooler ----- Integral with  
radiator assembly and connected to  
transmission by inlet and outlet pipes

### TORQUE MULTIPLICATION

Drive (maximum) ----- 5.06:1 to 1.00  
Low 2 ----- 5.06:1 to 1.48  
Low 1 ----- 5.06:1 to 2.48  
Reverse ----- 4.24:1 to 2.08



## 1970-76 CHEVROLET PRODUCTION OPTIONS

AB7	Window — Ar. Quarter Covered	A76	J.O. Seat Cushion & Back	B90	Molding — Side Window Reveal
A88	Window — Ar. Qtr. Formal Style	A85	Shoulder Harness — Deluxe Frt.	B93	Guards — Door Edge
AC3	Seat Adjuster — 6 Way Power Bucket	A90	Lock Release — Ar. Comot. Lid. Remote Control Elec.	B94	Emblem — Body "GT"
AD3	Glass — Wings Roof Window	A99	Glove Box Lock	B95	Apothec — Pillar
AD7	Window — Ar. Qtr. Tearout Less Louvers			B96	Molding — Wheel Opening
AE1	Glass — Roof Panel	B84	Map Pocket	B97	Spoiler
AG1	Seat Adjuster — 6 Way Power Driver (60-40)	B88	Interior Ornamentation — Door Trim Mldg.	CA1	Roof — Steel Sliding Sun. Electric
AG2	Seat Adjuster — 6 Way Power Pass. (60-40)	BC1	Interior Ornamentation — Wood Grain	CB4	Vinyl Padded Roof (Integral Pad) — Rear
AG7	Seat Adjuster — 6 Way Power. Driver (50-50)	BC5	Interior Ornamentation — Load Comot. — Carpet	CB5	Vinyl Padded Roof (1/4" Pad) — Full
AK1	Belts — Deluxe	BF2	Carpet — Floor Covering — Deluxe	CB7	Vinyl Padded Roof (Integral Pad) — Front
AM6	Seat Asm. — Frt. Seat Split (60-40) W/Center Arm Rest	BG1	Floor Mat — Heavy Duty	CC1	Panel — Removable Roof Hatch
AM7	Folding Rear Seat Asm.	BG9	Covering — Floor — Rubber	CD2	W/S Washer Jar Fluid Level Monitor
AN5	Seat Asm. — Pass. Reclining (40-40)	BS1	Quiet Sound Group	CD4	Washer & Wiper — Windshield. Pulse System
AN6	Seat Back — Adjustable. Driver	BS2	Acoustical Package	CF4	Roof — Sliding Sun
AN7	Seat Asm. — Bucket. Shell Type Swivel	BW2	Molding — Body Side Protection	CF5	Astro Roof — Elec.
AQ4	Seat Asm. — Sta. Wg. 3rd Seat	BW6	Exterior Decor Package	CG4	Vinyl Padded Roof (1/4" Pad) — Rear
AQ9	Seat Asm. — Bucket. Pass. Reclining	BW7	Ext. Ornamentation — Pillar Apotheque	CG9	Vinyl Padded Roof (Integral Pad) — Full
AR5	Seat Asm. — Bucket. European Style	BX1	Ext. Ornamentation — Front End Panel	C18	Black Windshield Wiper and Blade
AR9	Seat Asm. — Bucket. European Style	BX3	Exterior Ornamentation — Wood Grain Side Panel	C24	Wipers — Recess Parked
AS4	Rear Seat Deluxe Shoulder Harness	BX6	Ext. Ornamentation — Mldg. and Apotheque	CA1	Heater & Defroster — Outside Air
AT6	Recliner Seat — RH Manual	BX7	Door Edge Guards	C46	Heater — Hi-Flow
AT8	Seat Asm. — Adjustable. (50-50) Pass. Reclining	BX8	Molding — Used W/Two Tone Paint	CA9	Defogger — Rear Window. Electric
AU1	Key — Single Car	BX9	Ornamentation — Front End Panel	C50	Defogger — Rear Window
AU3	Lock — Side Doors. Electric	BY1	Ext. Ornamentation — Body Emblem	C51	Deflector — Station Wagon Air
AU4	Lock — Side Door. Electric Automatic	BY2	Police Body Equipment	C54	Heated Rr. Window Defogger
AU5	Lock — Seat Back & Side Door. Electric	BY4	Int. Ornamentation — Inst. Panel Monogram	C60	Air Conditioner — Manual Cont.
AU6	Lock Release — Tail Gate. Remote Control Electric	B1Q	Lock — Power Tail Gate	C61	Air Conditioner — Auto. Cont.
AU7	Key — Single — For Total Fleet	B3X	Estate Equipment	C65	Air Conditioner — Semi-Auto. Cont.
AV3	Cargo Tie Downs	B02	Special Body — Taxi Cab	C80	Switch — Frt. Door Jamb
AV7	Seat Asm. — Front (50-50)	B07	Special Body — Police Car.	C81	Switch — Rear Door Jamb
AO1	Glass — Tinted. All Windows (Tinted Windshield)	B09	H.D. Police Package	C87	Lamp — Rear Qtr. Courtesy
AO2	Glass — Tinted. Windshield (Tinted Upper)	B22	Emblem — Door	C88	Lamp — Rear Comot. Courtesy
A20	Glass — Rear Qtr. Vent. Swing Out	B26	Handle — Door Pull Interior	C90	Lamp — Combination Courtesy & Door Wiring
A31	Window — Power Operated. All (Exc. Vent)	B28	Floor Mats — Carpet Insert	C91	Lamp — Front Dome
A39	Seat Belts — Frt., Rr., Ctr. Deluxe Type	B30	Carpet — Floor Covering	C93	Lamp — Opera — Exterior Lock Pillar or Sail Panel
A41	Frt. Seat Elec. CH — 4-Way Bench Seat	B32	Mat — Front Floor Throw	C95	Lamp — Dome & Reading
A42	Seat Adjuster 6-Way Power. Single Unit	B33	Mat — Rear Floor Throw	C97	Lamp Courtesy — Door Handle Operated
A44	Seat Adjuster	B34	H.D. Frt. Floor Mats		
A46	Elec. 4-Way Seat Adjuster (L.H. Bucket Seat Only)	B35	H.D. Rr. Floor Mats	DF3	Mirror — Remote Control RH. Chrome
A50	Seat Asm. — Front Bucket — Formed	B36	Mat — Luggage Compartment	DH5	Mirror — Visor Vanity — Left
A51	Seat Asm. — Bucket (L & R) Contour	B37	Floor Mats — Front & Rr.	D19	Mirror — Rear View RH. Sport Type
A52	Seat Asm. — Bench	B39	Carpet — Load Floor and Deck Lid	DL1	Decals and Stripes
A65	Seat Back — Frt. Seat Split	B44	Carpet — Load Floor Seat Back	DX4	Tap — Accent Stripe
A66	Seat Back — 2nd Seat Split	B48	Luggage Comot. Trim	DX9	Tap — Accent Stripe
A75	Seat Asm. — Heavy Duty — Front	B51	Molding — Rocker Panel Wide	D24	Litter Container
		B65	Trunk Asm. — Floor Cover	D31	Mirror — Inside Tilt Rearview (Non Glare)
		B71	Exterior Ornamentation — Custom Whl. Opening Mldgs.	D33	Mirror — Remote Control LH. Chrome
		B75	Lining — Luggage Comot.	D34	Mirror — Visor Vanity
		B77	Molding — Windshield Reveal	D35	Mirror — Remote Control LH. Custom
		B79	Exterior Ornamentation — Rr. End		
		B80	Molding — Roof Drip		
		B83	Molding — Rocker Panel		
		B84	Molding — Body Side		
		B85	Molding — Belt Reveal		
		B86	Molding — Custom Rear Qtr. Lower		
		B89	Molding — Jack Window Reveal		



# 1970-76 CHEVROLET PRODUCTION OPTIONS

- T33 \_\_\_ Nameplate — Front Fender
- T41 \_\_\_ Hood — Special Sheet Metal
- T44 \_\_\_ Lock — Hood Interior Operated
- T52 \_\_\_ Ornamentation — Front
- T53 \_\_\_ Molding — Front fender
- T58 \_\_\_ Skirt — Rear wheel opening
- T60 \_\_\_ Battery Case — N.D. Plastic
- T63 \_\_\_ Headlamp — On Warning System (Buzzer)
- T70 \_\_\_ Lamp Group
- T81 \_\_\_ Headlamp Delay Package
- T82 \_\_\_ On-Off Control — headlamp Automatic
- T87 \_\_\_ Lamps — Cornering
- T93 \_\_\_ Lamp — Tail & Stop Reflex Asm.

- UA1 \_\_\_ Battery — Heavy Duty
- UB7 \_\_\_ Cluster Asm. — Warning and Trip Odometer
- UEB \_\_\_ Clock — Electric (Digital)
- UF3 \_\_\_ Lamp — Map (W/Sun Visor Support)
- UF7 \_\_\_ Cluster — Oil Temp., Volt Meter, Fuel Economy
- UFB \_\_\_ Switch — Summer headlamp
- UH1 \_\_\_ Lamp Monitor — Electric
- UM1 \_\_\_ AM Radio & 8 Track Tape Player
- UM2 \_\_\_ AM-FM Stereo Radio & 8 Track Tape Player
- UN9 \_\_\_ Radio Suppression Equip.
- UOS \_\_\_ Dual Horns
- URI \_\_\_ Fuel Economy Vacuum Gauge
- UX6 \_\_\_ Front Dual Speakers
- UX9 \_\_\_ Speaker — Front
- UY8 \_\_\_ Radio — AM/FM — Digital Clock
- UOS \_\_\_ Dual Horns
- UO9 \_\_\_ Horn — Four Note
- U11 \_\_\_ Police Car Swoosh
- U14 \_\_\_ Rally Gauge — Tach & Clock
- U15 \_\_\_ Speed Alert — Trip Odometer
- U18 \_\_\_ Kilo Swoosh
- U21 \_\_\_ Instrument Panel Gauges
- U25 \_\_\_ Lamp — Luggage Compart.
- U26 \_\_\_ Lamp — Engine Compart.
- U27 \_\_\_ Lamp — Inst. Panel Compart.
- U28 \_\_\_ Lamp — Ash Tray
- U29 \_\_\_ Lamp — Inst. Panel Courtesy
- U30 \_\_\_ Instrument Gauges
- U35 \_\_\_ Electric Clock
- U37 \_\_\_ Lighter — Cigar
- U38 \_\_\_ Warning System — Low Coolant
- U41 \_\_\_ Indicator — Low Fuel
- U46 \_\_\_ Mounter — External Lamp
- U57 \_\_\_ Player — Tape
- U58 \_\_\_ Radio — Stereo (W/Antenna)
- U63 \_\_\_ Radio — Pushbutton Control (W/Antenna)
- U69 \_\_\_ Radio — AM-FM (W/Antenna)
- U75 \_\_\_ Antenna — Power
- U76 \_\_\_ Antenna — Windshield Embedded
- U80 \_\_\_ Speaker — Rear Auxiliary
- U81 \_\_\_ Speaker — Rear, Dual
- U89 \_\_\_ Wiring harness — Car Trailer (5 Wire)
- U90 \_\_\_ Wiring harness — Roof Flasher
- U94 \_\_\_ Light Cable — Trailer (7 Wire)

- VE5 \_\_\_ Strip — Front & Rr. Bumper Impact
- VF6 \_\_\_ Bumper — Rear Steel
- VG4 \_\_\_ Protector — Bumper Rear
- VG8 \_\_\_ Bumper — Rear with Vinyl Insert
- VJ9 \_\_\_ Exhaust Emission Level (Calif. Cars)
- VK1 \_\_\_ License Plate — Fr. Mounting Pkg
- VK3 \_\_\_ Mounting — Fr. Lic. Plate
- VO1 \_\_\_ Radiator — heavy Duty (Var. 1)
- VO2 \_\_\_ Radiator — heavy Duty (Var. 2)
- V30 \_\_\_ Guards — Frt. & Rr. Bumper
- V31 \_\_\_ Guards — front Bumper (Chrome)
- V32 \_\_\_ Guards — Rear Bumper — (Chrome)
- V55 \_\_\_ Corner — Roof Luggage
- V56 \_\_\_ Lock & Trim — Luggage Compartment
- V65 \_\_\_ Bumper — Light Duty
- V81 \_\_\_ Trailer Provisions — SAE Class 1 (2000 lbs.)
- V82 \_\_\_ Trailer Provisions — SAE Class 2 (3500 lbs.)
- WA3 \_\_\_ Power Seat — 5 Way (Pass. & Driver)
- WA5 \_\_\_ Dual Speakers (Frt. & Rear)
- WB2 \_\_\_ AM Stereo Radio Tape
- WB3 \_\_\_ AM-FM Stereo Radio Tape
- WB4 \_\_\_ AM-FM Stereo Radio
- WB6 \_\_\_ Gauges — Instrument Cluster W/Clock
- WB7 \_\_\_ Vinyl Roof — Rear Vinyl (Pad Attached)
- WC2 \_\_\_ Mounting Package
- WC4 \_\_\_ Convenience Group
- WC9 \_\_\_ Exhaust Emission Group (Calif.)
- WD3 \_\_\_ Appearance Group
- WD4 \_\_\_ Accessory Package
- WF5 \_\_\_ Custom Trim Group
- WH3 \_\_\_ Appearance Group
- WH4 \_\_\_ Tachometer & Clock
- WH5 \_\_\_ Handling Package
- WJ7 \_\_\_ Leather — Custom
- WO2 \_\_\_ Wood Grain Group
- WT1 \_\_\_ Suspension — Bias Tire
- WU2 \_\_\_ G.T. Option
- WU7 \_\_\_ Third Seat — Wagon
- WW8 \_\_\_ Instrument Panel Tach., Rally Clock, Gauges
- WY5 \_\_\_ Suspension — Radial Tuned
- W20 \_\_\_ Convenience Group
- W50 \_\_\_ Appearance Group
- W60 \_\_\_ Appearance — Special Equip.
- W61 \_\_\_ Decor — Simulated Wood
- W62 \_\_\_ Luxury Appointment Group
- W63 \_\_\_ Rally Clock & Gauges
- W66 \_\_\_ 400 Sport Option
- W71 \_\_\_ Seat — Custom Front & Rear
- YCS \_\_\_ Estate Wood Grain — Vega
- YD1 \_\_\_ Towing Package
- YE4 \_\_\_ Exterior & Interior Deluxe
- YF3 \_\_\_ "Heavy Chevy" Exterior Decor
- YF4 \_\_\_ Guard & Strip — Bumper
- YF8 \_\_\_ Black Paint Stripe
- YJ8 \_\_\_ Cast Aluminum wheels

- YJ9 \_\_\_ Exterior Decor Package
- Y02 \_\_\_ Seat — Front Custom
- Y03 \_\_\_ Seat — Rear Custom
- Y05 \_\_\_ Deadener — Floor
- Y07 \_\_\_ Molding — Side Window Reveal
- Y10 \_\_\_ Custom Doors and Qtr.
- Y11 \_\_\_ Seat — Front — Special Design
- Y12 \_\_\_ Seat — Rear — Special Design
- Y19 \_\_\_ Molding — Body Side Lower
- Y40 \_\_\_ Heavy Duty Cooling
- Y51 \_\_\_ Molding Group
- Y53 \_\_\_ Frt. & Rr. Bumper Guards
- Y56 \_\_\_ Accessory Group
- Y60 \_\_\_ Convenience Group
- Y62 \_\_\_ Instrument Cluster — Special Features
- Y66 \_\_\_ SX Package
- Y67 \_\_\_ Low Washer Fluid Level Indicator
- Y70 \_\_\_ Stripe — Decal
- Y71 \_\_\_ Outside Temp. Indicator
- Y72 \_\_\_ H.D. Engine Cooling
- Y74 \_\_\_ Moldings — Rocker and Wheel Opng.
- Y79 \_\_\_ Appearance Option
- Y82 \_\_\_ Golden Anniversary
- Y83 \_\_\_ LJ Option
- Y90 \_\_\_ Custom Trim
- Y92 \_\_\_ Lamp Group
- Y96 \_\_\_ Firm Ride Option
- Y97 \_\_\_ SJ Option
- Y99 \_\_\_ Handling Package
- ZE2 \_\_\_ Olympic Edition Program Content
- ZJ1 \_\_\_ Custom Interior
- ZJ2 \_\_\_ Custom Exterior
- ZJ3 \_\_\_ Interior Decor and Convenience Group
- ZJ4 \_\_\_ Seat Belt, Check Doors, Low Fuel Warning Lites
- ZJ5 \_\_\_ Exterior Decor
- ZK7 \_\_\_ Noise Level Control
- ZL2 \_\_\_ Special Ducted Hood Air System
- ZL9 \_\_\_ Luxury Interior
- ZN5 \_\_\_ Color Coded Rally Wheels
- ZX5 \_\_\_ Appearance Group
- Z01 \_\_\_ "Spyder" Model
- Z02 \_\_\_ Spyder Appearance Equipment
- Z03 \_\_\_ Landau Equipment
- Z06 \_\_\_ Luxury Interior Trim
- ZP5 \_\_\_ Appearance Guard Group
- Z02 \_\_\_ Operating Convenience Group
- Z09 \_\_\_ Rr. Axle Performance Ratio
- ZR8 \_\_\_ Sport Stripes — White
- Z10 \_\_\_ Impala "LX" Package
- Z15 \_\_\_ S.S. Model
- Z20 \_\_\_ Paint — Two-Tone Accent Pkg.
- Z20 \_\_\_ Two Tone Accent Package
- Z21 \_\_\_ Style Trim
- Z25 \_\_\_ "SS" 396 Package
- Z26 \_\_\_ S.S.
- Z29 \_\_\_ G.T. Option
- Z54 \_\_\_ Interior Decor/Quiet Sound Group
- Z60 \_\_\_ Monza Towne Coupe
- Z76 \_\_\_ Monte Carlo "S" Package
- Z85 \_\_\_ Rally Sport Equipment
- Z95 \_\_\_ Catalytic Converter Deletion
- Z95 \_\_\_ Leaded Fuel Option

# CHEVELLE

## 1967 MODELS WITH STANDARD EQUIPMENT (115" Wheelbase)

Model Description	List Price Less Invoice Discount (19%)*	List Price Less Base Discount (21%)	Factory D & H	List Price	Mr's Sgt'd Dealer D & H	Mr's Sgt'd Retail Price*	Desti- nation Charge	Total
<b>6-Cylinder Models</b>								
<b>140-hp Hi-Thrift 230 Engine</b>								
<b>300</b>								
13111 2-Door Sedan—6-Passenger.....					\$2221.00			
13169 4-Door Sedan—6-Passenger.....					2250.00			
<b>300 Deluxe</b>								
13311 2-Door Sedan—6-Passenger.....					2295.00			
13369 4-Door Sedan—6-Passenger.....					2324.00			
13335 4-Door Station Wagon—2-Seat.....					2619.00			
<b>Malibu</b>								
13569 4-Door Sedan—6-Passenger.....					2400.00			
13539 Sport Sedan—6-Passenger.....					2506.00			
13517 Sport Coupe—5-Passenger.....					2434.00			
13567 Convertible—5-Passenger.....					2637.00			
13535 4-Door Station Wagon—2-Seat.....					2695.00			
<b>Concours</b>								
13735 4-Door Custom Wagon—2-Seat.....					2827.00			
<b>8-Cylinder Models</b>								
<b>195-hp Turbo-Fire 283 Engine</b>								
<b>300</b>								
13211 2-Door Sedan—6-Passenger.....					2326.00			
13269 4-Door Sedan—6-Passenger.....					2356.00			
<b>300 Deluxe</b>								
13411 2-Door Sedan—6-Passenger.....					2400.00			
13469 4-Door Sedan—6-Passenger.....					2430.00			
13435 4-Door Station Wagon—2-Seat.....					2725.00			
<b>Malibu</b>								
13669 4-Door Sedan—6-Passenger.....					2506.00			
13639 Sport Sedan—6-Passenger.....					2611.00			
13617 Sport Coupe—5-Passenger.....					2540.00			
13667 Convertible—5-Passenger.....					2743.00			
13635 4-Door Station Wagon—2-Seat.....					2801.00			
<b>Concours</b>								
13835 4-Door Custom Wagon—2-Seat.....					2933.00			
<b>325-hp Turbo-Jet 396 Engine</b>								
<b>SS 396</b>								
13817 Sport Coupe—5-Passenger.....					2825.00			
13867 Convertible—5-Passenger.....					3033.00			

\* Base discount is 21% with the 2% difference retained for dealer's account in accordance with Terms of Sale Bulletin.  
 \* Manufacturer's Suggested Retail Prices do not include state and local taxes, license fees, options or accessories.

# CHEVELLE

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Code	Option Number	Dealer Net	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price*
<b>FEATURE GROUPS</b>						
<b>Appearance Guard Group:</b> includes color-keyed (2) front & (2) rear floor mats, front bumper guards and custom deluxe seat belts						
Concours Custom Wagon only	59-1					\$29.55
300 Deluxe and Malibu Wagons: also includes door edge guards	59-1					35.90
Sedans, Coupes and Convertibles: also includes door edge guards & rear bumper guards						
3-door models	59-1					45.40
4-door models	59-1					48.55
<b>Auxiliary Lighting Group:</b> includes three or more of the following items: 1. courtesy light 2. underhood light 3. ashtray light 4. luggage compartment light 5. glove compartment light						
On Convertibles (includes items 2, 3, & 4)	70-1					6.90
On Concours and Malibu Wagons (includes items 1, 2, & 3)	70-1					8.50
On Malibu Sedans and all Coupes (includes items 1, 2, 3, & 4)	70-1					11.15
On 300 Deluxe Wagons (includes items 1, 2, 3, & 5)	70-1					11.15
On 300 & 300 Deluxe Sedans (includes items 1, 2, 3, 4, & 5)	70-1					13.80
<b>Foundation Group:</b> includes pushbutton radio, electric clock and extra-thick foam front seat cushion						
300 & 300 Deluxe models only	57-1					80.60
<b>Operating Convenience Group:</b> includes LH outside remote-control rearview mirror and rear window defroster						
All models except Wagons and Convertibles	58-1					30.60
<b>Station Wagon Convenience Group:</b> includes luggage carrier, power rear window & rear window air deflector						
All Wagons	70-2					92.75
<i>All items contained in the above groups may be ordered separately and are shown in the following options list.</i>						
<b>POWER TEAMS</b>						
<b>Engine:</b> See Power Teams chart for complete engine specifications, model and transmission availability						
155-hp Turbo-Thrift 250 6-cyl.	30-1	L22				26.35
275-hp Turbo-Fire 327 V8	30-2	L30				32.70
325-hp Turbo-Fire 327 V8	30-3	L79				198.05
350-hp Turbo-Jet 396 V8 (SS 396 models only)	30-8	L34				105.35
<b>Transmissions:</b> See Power Teams chart for availability						
<i>Special 3-Speed fully synchronized, floor-mounted (Standard on SS 396 models)</i>						
4-Speed (Close-Ratio)	29-6	M13				79.00
SS 396 models						
All models except SS 396	29-4	M21				105.35
4-Speed (Wide-Range)	29-4	M21				184.35
SS 396 models	29-3	M20				105.35
All models except SS 396	29-3	M20				184.35
Overdrive	29-4	M10				115.90
<b>Powerguide</b>						
SS 396 models only	29-1	M35				115.90
V8 models except SS 396	29-1	M35				194.85
6-cyl models only	29-1	M35				184.35
Turbo Hydra-Matic (SS 396 models only)	29-7	M40				147.45
Axle, Positraction Rear	31-8	G80				42.15
<b>Axle Ratios:</b> See Power Teams chart for availability						
Economy	32-1					2.15
Performance	32-2					2.15
<i>Special (If axle ratio other than Standard, Economy or Performance is desired, refer to Power Teams chart for availability—then list ratio on order form in box under "Special Ratio")</i>						
						2.15
<b>POWER ASSISTS</b>						
Brakes, Power	33-2	I50				42.15
Seat, Power: 4-way control, front seat only. Not available with floor-mounted transmissions, bucket seats or 300 models	61-1	A41				69.55
Steering, Power	33-1	N40				84.30
Windows, Power: For Malibu, Concours and SS 396 models only	58-1	A31				100.10

\* State and local taxes not included.

# CHEVELLE

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Col-Code	Option Number	Dealer Net	Factory D & H	List Price	Mfr.'s Suggested Retail Delivered Price ◊
<b>EXTERIOR FEATURES</b>						
<b>Antenna, Rear:</b> Replaces front radio antenna. Not available on wagons or when AM-FM radio is ordered						
Manual	47-1	U73				\$ 9.50
<b>Guards:</b>						
Bumper, front	60-1	V31				12.65
Bumper, rear (Except Wagons)	60-2	V32				12.65
Door edge: 2-door models	58-4	B93				3.20
4-door models (Except Custom Wagons)	58-4	B93				6.35
Mirror: LH outside remote control	45-2	D33				9.50
<b>Moldings, Side Window:</b>						
4-Door Sedans & Malibu Station Wagons	64-1	B90				21.10
300 Deluxe Station Wagons; also includes moldings on rear quarter windows	64-1	B90				26.35
<b>Paint, Exterior:</b> Solid colors						N.C.
Two-tone combinations						15.60
<b>Roof Cover, Vinyl:</b> For hardtop models only (Solid exterior colors only)						
Black	55-2	C08				73.75
Beige	55-6	C08				73.75
<b>Stripes, Special Body Side Accent:</b> SS 396 models only. Replaces the standard stripes	64-2	D96				
<b>Tops, Convertible:</b> Available with all exterior solid colors						
<b>Manual</b>						
White	55-1	C05				N.C.
Black	55-2	C05				N.C.
Blue	55-4	C05				N.C.
<b>Power</b>						
White	55-1/56-2	C05/C06				52.70
Black	55-2/56-2	C05/C06				52.70
Blue	55-4/56-2	C05/C06				52.70
<b>Wheel Covers:</b> (Not available when disc brakes are ordered.)						
Four bright metal	51-1	P01				21.10
<b>Wheel Covers, Mag-Style:</b> (Not available when disc brakes are ordered)	51-3	N96				73.75
<b>Wheel Covers, Simulated Wire:</b> (Not available when disc brakes are ordered)	51-2	P02				73.75
<b>INTERIOR FEATURES</b>						
<b>Air Conditioning, Four-Season:</b> Includes 61-amp Delcotron heavy-duty radiator and temperature-controlled radiator fan. 7.75-14 or F70-14 tires must be ordered on models 13639 or 13667 with 195-hp engine or models 13211-13269-13411-13469-13669 or 13617 when 275-hp engine is ordered	54-1	C60				356.00
<b>Belts, Seat:</b> (In addition to or replacing standard seat belts)						
Center Rear—For use with standard seat belts	53-4	A68				6.35
Custom Deluxe Front and Rear	53-2	A39				6.35
Custom Deluxe Center Rear—Available only when custom deluxe seat belts or appearance guard group is ordered	53-3	ALS				7.90
<b>Belts, Front Shoulder:</b> (Driver and passenger)						
Standard Type—For use with standard seat belts	45-4	AS1				23.20
Custom Deluxe—Available only when custom deluxe seat belts or appearance guard group is ordered	45-1	A85				26.35
<b>Clock, Electric:</b> 300 and 300 Deluxe models only	57-3	U35				15.80
<b>Console:</b> Available only when bucket seats are ordered. Includes electric clock & compartment. Gearshift lever is mounted on console. With std 3-speed available only on SS 396. Not available when overdrive transmission is ordered	49-1	D55				47.40
<b>Defroster, Rear Window:</b> Sedans & Sport Coupes only	59-1	C50				21.10
<b>Glass, Soft-Ray Tinted:</b> Windshield only	50-2	A02				21.10
All windows	50-1	A01				30.55
<b>Headrests, Strato-Ease:</b> Driver and passenger						
With Strato-bucket front seats	57-1	A81				52.70
With standard bench front seat	57-2	A82				42.15
<b>Instrumentation, Special:</b> Available on V8 Sport Coupes and Convertibles only. Includes ammeter, temperature and oil pressure gauges. Also includes tachometer	49-2	U14				79.00
<b>Lights:</b>						
Ashtray	66-2	U28				1.60
Courtesy; all models except Convertibles	66-4	U29				4.25
Glove compartment: 300 and 300 Deluxe models only	66-1	U27				2.65
Luggage; all models except Wagons	65-2	U25				2.65
Underhood	65-4	U26				2.65
<b>Mats, Floor:</b> Color-keyed; (2) front and (2) rear	59-3	B37				10.55

◊ State and local taxes not included.

# CHEVELLE

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Col-Code	Option Number	Dealer Net	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price <sup>⊕</sup>
<b>INTERIOR FEATURES (Continued)</b>						
<i>Radies: includes front antenna. Rear antenna must be ordered separately (See Exterior Features)</i>						
Pushbutton control.....	46-3	U63				\$ 57.40
Pushbutton control with rear seat speaker.....	46-4	U63/U80				70.60
AM-FM pushbutton control: front antenna only.....	46-5	U69				133.80
AM-FM pushbutton control with rear seat speaker: front antenna only.....	46-6	U69/U80				147.00
Speaker, Rear Seat: For use with foundation group.....	46-1	U80				13.20
Seat Cushion, Extra-Thick Foam Front: 300 and 300 deluxe only.....	62-2	B55				7.40
Seats, Strato-Bucket: Sport Coupe & Convertible only.....	62-4	A51				110.60
Speed and Cruise Control: (Cruise-Master) V8 models only. Available only when Powerglide or Turbo Hydra-Matic transmission is ordered.....	43-4	K30				50.05
Speed Warning Indicator.....	43-2	U15				10.55
Steering Wheel, Deluxe:						
300 models only.....	52-4	N30				7.40
300 Deluxe models only.....	52-4	N30				4.25
Steering Wheel, Sports-styled, walnut-grained plastic ring.....	52-1	N34				31.60
Steering Wheel, Comfortilt: Available only when Powerglide, Turbo Hydra-Matic or 4-speed transmission is ordered.....	52-2	N33				42.15
Stereo Tape System: Includes four speakers. Not available when radio with rear seat speaker is ordered.....	47-3	U57				128.50
Trim, Interior: For availability see Color & Trim Chart.						
All-vinyl; Malibu Sport Coupe and Sport Sedan only.....						10.55
Deluxe cloth; Malibu Sport Sedan only.....						68.50
All-vinyl; 300 models only.....						5.30

### WAGON FEATURES

Air Deflector, Rear Window: Anodized aluminum.....	59-2	CS1				19.00
Carrier, Luggage.....	60-4	V55				42.15
Window, Power Rear.....	58-2	A33				31.60

### HEAVY-DUTY AND OTHER EQUIPMENT

Battery, Heavy-Duty: 66-plate, 70-amp-hr.....	36-1	T60				7.40
Brakes, Front Disc: Available only when power brakes are ordered. Not available when metallic brakes are ordered; includes special hub caps and trim rings.....	37-3	JS2				79.00
Brake Linings, Sintered Metallic.....	43-1	I65				36.90
Clutch, Heavy-Duty: Not available on SS 396 models or with 155-hp 6-cylinder engine or GM air injection reactor V8 models.....	44-2	M01				10.55
6-cyl models.....	44-2	M01				5.30
Exhaust, Dual: For 275-hp engine only.....	41-2	N10				21.10
Fan, Radiator: Temperature-controlled. Included when Four-Season air conditioning is ordered. V8 models only.....	44-1	K02				15.80
GM Air Injection Reactor: Approved by the state of California for vehicle registration. Available only when closed engine positive ventilation is ordered.....	40-2	K19				44.75
Generators:						
42-amp Delco-tron. Not available when air conditioning is ordered.....	42-1	K79				10.55
61-amp Delco-tron. Included when air conditioning is ordered.....	42-2	K76				21.10
Heater & Defroster Deletion: Not available when air conditioning is ordered.....	54-4	C48				70.70 CR.
Horn, Tri-Volume: Except 300 models.....	63-3	U03				13.70
Radiator, Heavy-Duty: Not available when air conditioning is ordered.....	36-2	V01				10.55
Shock Absorbers, Rear:						
Superlift.....	38-1	G66				36.90
Suspension, Special Front & Rear.....	37-1	F40				4.75
Tachometer: V8 models only (Included when special instrumentation is ordered).....	41-1	U16				47.40
Ventilation, Closed Engine Positive: Included when 325-hp 327-cu-in or 350-hp engine is ordered.....	40-1	K24				5.25

⊕ State and local taxes not included.

# CHEVELLE TIRES

## CHEVELLE BASE TIRE CHART

Model		Base Tires	275-hp 327-cu-in Engine	325-hp 327-cu-in Engine
6-Cyl	V8			
13111	13211	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13169	13269	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13311	13411	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13335	13435	7.75-14/2-ply (4-ply rating)	—	—
13369	13469	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13539		7.35-14/2-ply (4-ply rating)	—	—
13535	13635	7.75-14/2-ply (4-ply rating)	—	—
13517	13617	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
13567		7.35-14/2-ply (4-ply rating)	—	—
13569	13669	7.35-14/2-ply (4-ply rating)	—	7.75-14/2-ply (4-ply rating)
	13639	7.35-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)
	13667	7.35-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)	7.75-14/2-ply (4-ply rating)
13735	13835	7.75-14/2-ply (4-ply rating)	—	—
	13817	◆ F70-14/2-ply (4-ply rating)	—	—
	13867	◆ F70-14/2-ply (4-ply rating)	—	—

◆ Special Nylon Red Stripe

## FACTORY INSTALLED REGULAR PRODUCTION TIRES

Description	Ordering Column 34-35 Code	Option Number	Dealer Net	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price ◆
<b>TUBELESS TIRES</b>						
<b>Replaces (5) 7.35-14/2-ply (4-ply rating) Original Equipment Blackwall</b>						
(5) 7.35-14/2-ply (4-ply rating) Original Equipment Whitewall	21	P58				\$31.35
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Blackwall	29	P65				14.50
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Whitewall	28	P62				45.80
(5) F70-14/2-ply (4-ply rating) Special Nylon Red Stripe	59	PW8				77.60
(5) F70-14/2-ply (4-ply rating) Special Nylon White Stripe	58	PW7				77.60
<b>Replaces (5) 7.75-14/2-ply (4-ply rating) Original Equipment Blackwall</b>						
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Whitewall	28	P62				31.35
a(5) 7.75-14/4-ply (8-ply rating) Original Equipment Blackwall	34	T14				45.85
(5) 7.75-14/4-ply (8-ply rating) Original Equipment Whitewall	35	T15				79.20
b(5) F70-14/2-ply (4-ply rating) Special Nylon Red Stripe	59	PW8				63.15
b(5) F70-14/2-ply (4-ply rating) Special Nylon White Stripe	58	PW7				63.15
<b>Replaces (5) F70-14/2-ply (4-ply rating) Special Nylon Red Stripe Tires (SS 396)</b>						
(5) F70-14/2-ply (4-ply rating) Special Nylon White Stripe	58	PW7	N.C.	N.C.	N.C.	N.C.

◆ State and local taxes not included.

a Available on Wagons only.

b Not Available on Wagons.

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# NOTES

# CHEVELLE POWER TEAMS

## Engine, Transmission and Rear Axle Combinations

ENGINES		TRANSMISSION	MODEL APPLICATION	REAR AXLE RATIOS*							
				Without Air Conditioning				With Air Conditioning			
				Std	Optional			Std	Optional		
Econ	Perf	Spec	Econ		Perf	Spec					
Std on Series 131-133-135 and Model 13735	140-hp Turbo-Thrift 230 6-Cylinder 230-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro									
		Powerglide	Sedans, Coupes & Convertibles	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	Wagons	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
L22 on Series 131-133-135 and Model 13735	153-hp Turbo-Thrift 250 6-Cylinder 250-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro									
		Powerglide	Sedans, Coupes & Convertibles	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	Wagons	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
Std on Series 132-134-135 and Model 13835	193-hp Turbo-Fire 283 8-Cylinder 283-cu-in displacement 2-barrel carburetor 9.25:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro									
		4-Speed Wide-Range Powerglide									
		Overdrive	All Models	3.70:1	—	—	—	3.70:1	—	—	—
L30 on Series 132-134-135 and Model 13835	270-hp Turbo-Jet 327 8-Cylinder 327-cu-in displacement Regular camshaft 4-barrel carburetor 10.0:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	All Models	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro									
		4-Speed Wide-Range Powerglide									
		Overdrive	All Models	3.70:1	—	—	—	3.70:1	—	—	—
L79 on Series 132-134-135 and Model 13835	325-hp Turbo-Fire 327 8-Cylinder 327-cu-in displacement High-lift camshaft 4-barrel carburetor 11.0:1 compression ratio Hydraulic valve lifters	Special 3-Speed Full-Synchro	All Models	3.31:1	3.07:1	3.55:1	3.73:1	3.31:1	—	3.55:1	3.73:1
		4-Speed Wide-Range									
		4-Speed Close-Ratio	All Models	3.31:1	3.07:1	3.55:1	3.73:1, 4.10:1, 4.56:1, 4.88:1	3.31:1	—	3.55:1	3.73:1
		Overdrive									
Std on Models 13817 13867	325-hp Turbo-Jet 396 8-Cylinder 396-cu-in displacement Regular camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Dual exhaust	Std Special 3-Speed Full-Synchro	All SS 396 Models	3.31:1	3.07:1	3.55:1	3.73:1 or 4.10:1	3.07:1	—	—	—
		4-Speed Wide-Range									
		Powerglide	All SS 396 Models	3.07:1	2.73:1	3.31:1	3.55:1, 3.73:1 or 4.10:1	3.07:1	—	—	—
		Turbo-HydraMatic		2.73:1	—	3.07:1	3.31:1	3.07:1	—	—	—
L34 on Models 13817 13867	396-hp Turbo-Jet 396 8-Cylinder 396-cu-in displacement High-lift camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Dual exhaust	Std Special 3-Speed Full-Synchro	All SS 396 Models	3.55:1	3.31:1	3.73:1	4.10:1	3.07:1	—	—	—
		4-Speed Wide-Range									
		Powerglide	All SS396 Models	3.31:1	3.07:1	3.55:1	3.73:1, 4.10:1	3.07:1	—	—	—
		4-Speed Close-Ratio	All SS 396 Models	3.55:1	3.31:1	3.73:1	3.07:1, 4.10:1, 4.56:1, 4.88:1	3.07:1	—	—	—
Turbo-HydraMatic		3.07:1	2.73:1	3.31:1	—	3.07:1	—	—	—		

\* All ratios available as option. (4.10:1, 4.56:1 and 4.88:1 available as post-traction only). See ordering information on page 00.  
 • When G.M. Air Injection Reactor (RPOK19) is ordered with Powerglide transmission (RPOM35), standard axle is 2.73:1, Performance axle is 3.08:1.



# CHEVELLE

## IMPORTANT

**Dealer Note:** Exterior and interior combinations shown in chart below are those recommended by Chevrolet; however, any solid exterior color may be ordered with any available interior color if the particular combination is desired by a customer.

To protect against ordering errors with the resultant production of undesirable color combinations, procedures have been established to reject any exterior-interior color not in the recommended category until such orders are verified with the dealer involved. We wish to eliminate this potential delaying factor and ask your cooperation in circling the color code on the order form when a non-recommended combination is desired. This will permit processing the order for production without further verification.

INVOICE INTERIOR TRIM IDENTIFICATION	
Black	757 759 761 762 763 764 766
Blue	724 726 727 728 729 730 738
Bright Blue	723 731
Fawn	758 769 770
Gold	752 783 784 794
Maroon	746
Plum	705
Red	747 750
Turquoise	775 776 778

## EXTERIOR SELECTION CHART

EXTERIOR COLORS	Code	INTERIOR TRIM COLORS								
		Black	Blue	Bright Blue	Fawn	Gold	Maroon	Plum	Red	Turquoise
<b>SOLID</b>										
Tuxedo Black	AA	X	X	X	X	X	X	X	X	X
Ermine White	CC	X	X	X	X	X	X	X	X	X
Nantucket Blue (Med)	DD	X	X	X						
Deepwater Blue (Dk)	EE	X	X	X						
*Marina Blue (Brt)	FF	X	X	X						
Granada Gold	GG	X			X	X				
Mountain Green (Med)	HH	X			X					
Emerald Turq (Med)	KK	X			X					X
Tahoe Turquoise (Dk)	LL	X			X					X
Royal Plum	MM	X						X		
Madeira Maroon	NN	X			X	X	X		X	
Bolero Red	RR	X							X	
Sierra Fawn	SS	X			X	X				
Capri Cream	TT	X			X	X				
Buttermilk Yellow	YY	X			X					X

### \*TWO-TONE

Nantucket Blue—Upper Ermine White—Lower	CD		X							
Ermine White—Upper Nantucket Blue—Lower	DC		X							
Nantucket Blue—Upper Deepwater Blue—Lower	ED		X							
Deepwater Blue—Upper Nantucket Blue—Lower	DE		X							
Capri Cream—Upper Granada Gold—Lower	GT	X			X	X				
Ermine White—Upper Tahoe Turquoise—Lower	LC									X
Capri Cream—Upper Sierra Fawn—Lower	ST	X			X	X				

\*Note: Marina Blue Exterior not available on Concours Custom Wagon.

\*Note: Two-Tone Exterior not available on Concours Custom Wagon or Convertible.

# CHEVELLE

## INTERIOR SELECTION CHART

TYPE OF SEAT	Material	Extra Cost	INTERIOR TRIM COLOR AVAILABILITY							
			Black	Blue	Bright Blue	Fawn	Gold	Maroon	Plum	Red

### CONCOURS CUSTOM WAGON

Full-Width Bench	Vinyl	No	E	B			G			D	T
------------------	-------	----	---	---	--	--	---	--	--	---	---

### SS 396 SPORT COUPE AND CONVERTIBLE

Full-Width Bench	Vinyl	No	E	B	R		G			D	T
Optional Strato-Bucket (RPO A51)	Vinyl	Yes	E	B	R		G			D	T

### MALIBU SPORT COUPE

Full-Width Bench	Cloth	No	E	B			G	M			T
Full-Width Bench	Vinyl	Yes	L		H					A	
Optional Strato-Bucket (RPO A51)	Vinyl	Yes	E	B	R		G			D	

### MALIBU SPORT SEDAN

Full-Width Bench	Cloth	No	E	B			G	M			T
Full-Width Bench	Vinyl	Yes	L	U							
Full-Width Bench	Deluxe Cloth	Yes	N	S			W		P		

### MALIBU 4-DOOR SEDAN

Full-Width Bench	Cloth	No	E	B			G	M			T
------------------	-------	----	---	---	--	--	---	---	--	--	---

### MALIBU WAGON

Full-Width Bench	Vinyl	No	E	B			G			D	T
------------------	-------	----	---	---	--	--	---	--	--	---	---

### MALIBU CONVERTIBLE

Full-Width Bench	Vinyl	No	E	B	R		G			D	T
Optional Strato-Bucket (RPO A51)	Vinyl	Yes	E	B	R		G			D	

### 300 DELUXE SEDANS

Full-Width Bench	Cloth	No	E	B		F					
------------------	-------	----	---	---	--	---	--	--	--	--	--

### 300 DELUXE WAGON

Full-Width Bench	Vinyl	No	E	B		F					
------------------	-------	----	---	---	--	---	--	--	--	--	--

### 300 SEDANS

Full-Width Bench	Cloth	No		B		F					
Full-Width Bench	Vinyl	Yes	E								
Full-Width Bench	*Vinyl	Yes				V					

\*Fleet and Tax Cab Type Trim.



# AMA Specifications—Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

MANUFACTURER Chevrolet Motor Division General Motors Corporation		CAR NAME CHEVELLE
MAILING ADDRESS	MODEL YEAR 1967	ISSUED: 10-7-66 REVISED (a)

**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 standard models without optional equipment. Significant deviations are noted.
  - b. 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.

	327 Cu. In.		396 Cu. In.	
	V8-275HP Optional(L30)	V8-325HP Optional(L79)	V8-325HP Standard*	V8-350HP Optional(L34)
<b>CHEVELLE 300</b>				
2-Door Sedan, 6-Pass	13211		----	
4-Door Sedan, 6-Pass	13269		----	
<b>CHEVELLE 300 DELUXE</b>				
2-Door Sedan, 6-Pass	13411		----	
4-Door Station Wagon, 2-seat	13435		----	
4-Door Sedan, 6-Pass	13469		----	
2-Door Sedan Pickup, 3-Pass	13480		13480	
<b>MALIBU</b>				
4-Door Station Wagon, 2-seat	13635		----	
2-Door Sport Coupe, 5-Pass	13617		----	
4-Door Sport Sedan, 6-Pass	13639		----	
2-Door Convertible, 5-Pass	13667		----	
4-Door Sedan, 6-Pass	13669		----	
2-Door Sedan Pickup, 3-Pass	13680		13680	
<b>SS 396</b>				
2-Door Sport Coupe, 4-Pass	----		13817	
2-Door Convertible, 4-Pass	----		13867	
<b>CONCOURS</b>				
4-Door Station Wagon, 2-seat	13835		----	

\* - Standard on SS 396; Optional on Sedan Pickups

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(10)</sup>

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	13200-400-600, 13835 327 Cu. In. V-8 275HP Opt(L30)	13817-67-13480-13680 396 Cu. In. V-8 325HP Opt(L79)	325HP Standard*	350HP Opt(I)
Wheelbase (L101)		115.0			
Track	Front (W101)	58.0			
	Rear (W102)	58.0			
Maximum Overall Dimensions	Length (L103)	197.0; Wagons & Pickups 199.9			
	Width (W103)	75.0			
	Height (H101)	Sedans 53.0; Sport Coupes 51.9; Convertibles 52.8; Station Wagons & Pickups 54.6			
Transmission (Specify trade name - opt., not available)	Manual - 3 speed; 15	Std-Hvy Dty. Opt. available	Heavy Duty - Optional		
	Manual - 4 speed 15	2.54:1 low	2.52:1 low 2.20:1 low	2.52:1 low	2.52:1 low 2.20:1 low
	Overdrive 15	NA			
	Automatic (Optional) 16	Powerglide	NA	Powerglide and Turbo Hydra-Matic	
Axle ratio	Manual - 3 speed 17	3.08:1	3.31:1	3.31:1	3.55:1
	Manual - 4 speed 17	3.08:1	3.31:1	3.31:1	3.55:1
	Overdrive 17	NA			
	Automatic 17	3.08:1	NA	Pwr/gld 3.07:1 Trb Hyd Mtc 2.73:1	Pwr/gld 3.31:1 Trb Hyd Mtc 3.07:1
Tire size	18	7.35x14(a)	7.75x14(b)	F70-14(c)	
Engine	Type, no. cyl., valve arr. 3	90° OHV V-8			
	Fuel system (Carb., other) 10	Carburetor			
	Bore and stroke 3	4.00x3.25		4.094x3.76	
	Piston displ., cu. in. 3	327		396	
	Std. compression ratio 3	10.0:1	11.0:1	10.25:1	
	Max. bhp at engine rpm 3	275 @ 4800	325 @ 5600	325 @ 4800	350 @ 5200
	Max. torque at rpm 3	355 @ 3200	355 @ 3600	410 @ 3200	415 @ 3400

\* - Standard on SS 396; Optional on Sedan Pickups

(a) - Except Sport Sedan, Convertibles and Station Wagons which is 7.75 x 14

(b) - All models

(c) - Except 13480 & 13680 which is 7.75 x 14

# AMA Specifications—Passenger Car

NAME OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(a)</sup>

## GENERAL SPECIFICATIONS—DIMENSIONS

(All dimensions in inches unless otherwise indicated)  
(Supplemental data available on request)

MODEL	SAE Ref. No.	SEDANS		SPORT SEDAN	SPORT COUPE	CONVERTIBLE	WAGON	PICK UP
		2-Dr	4-Dr					

### FRONT COMPARTMENT

Shoulder room	W3	58.8					
Hip room	W5	59.9					
Max. eff. leg room - accelerator	L34	41.9					
Effective head room	H61	38.5	38.6	37.7	38.2		
H Point to Heel point	H30	8.2	7.7	8.2			

### REAR COMPARTMENT

Shoulder room	W4	57.4	58.7	57.0	45.6	58.8	--
Hip room	W6	58.7	59.9	58.6	48.6	59.9	--
Minimum effective leg room	L51	35.8	36.0	35.7	33.1	36.0	--
Effective head room	H63	37.3	37.2	36.3	36.5	38.4	--

### LUGGAGE COMPARTMENT

Usable luggage capacity	V1	17.1						--
Liftover height	H195	28.9						--
Position of spare tire storage		Horizontal, Trunk Floor					(a)	(b)
Method of holding lid open		Torsion Bars						--

### STATION WAGON—THIRD SEAT -- NONE

Hip room	W86	--					
Effective leg room	L86	--					
Effective head room	H86	--					
Seat facing direction		--					

### STATION WAGON—CARGO SPACE

MODEL	SAE Ref. No.	13435-13635-13835
Minimum distance between wheel houses at floor level	W201	42.4
Rear end opening width at belt	W204	52.5
Floor length from back of front seat at floor level to inside of closed tail gate	L202	92.1
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	80.8
Maximum height - floor covering to headlining at centerline of rear axle	H201	31.3
Maximum height of rear opening - tail and lift gates open	H202	28.5
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	86.0

- (a) Right rear quarter.
- (b) Back of seat.

# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b>	CHEVELLE	<b>MODEL YEAR</b>	1967	<b>DATE ISSUED</b>	10-7-66	<b>REVISED</b> (*)
<b>MODEL</b>	13200-400-600; 13835 327 Cu. In. V-8 275HP-opt(L30)	325HP-opt(L79)	13817-67-13480-13680 396 Cu. In. V-8 325HP-Standard*	350HP-opt(L34)		

## ENGINE—GENERAL

<b>Type, no. cyls., valve arr.</b>		90° OHV V-8			
<b>Bore and stroke (nominal)</b>		4.001x3.25		4.094x3.76	
<b>Piston displacement, cu. in.</b>		327		396	
<b>Bore spacing (C/L to C/L)</b>		4.40		4.84	
<b>No. system (front to rear)</b>	L. Bank	1-3-5-7			
	R. Bank	2-4-6-8			
<b>Firing order</b>		1-8-4-3-6-5-7-2			
<b>Compres. ratio (nominal)</b>		10.0:1	11.0:1	10.25:1	
<b>Cylinder Head Material</b>		Cast alloy iron			
<b>Cylinder Block Material</b>		Cast alloy iron			
<b>Cylinder Sleeve-Wet, dry, none</b>		None			
<b>Number of mounting points</b>	Front	Two			
	Rear	One			
<b>Engine installation angle</b>		4°46'			
<b>Taxable horsepower</b>	<b>Dis<sup>2</sup>xNo.Cyl. 2.5</b>	51.2		53.6	
<b>Publishing max. bhp* @ eng. RPM</b>		275 @ 4800	325 @ 5600	325 @ 4800	350 @ 5200
<b>Publishing max. torque* (lb. ft. @ RPM)</b>		355 @ 3200	355 @ 3600	410 @ 3200	415 @ 3400
<b>Recommended fuel regular - premium</b>		Premium			
<b>Idle speed(spec. neutral or drive)</b>	Manual	500 in neutral	700 in neutral	500 in neutral	550 in neutral
	Automatic	500 in drive	NA	500 in drive	550 in drive

## ENGINE—PISTONS

<b>Material</b>		Cast Al. Alloy	Al. impact extrd.	Cast aluminum alloy
<b>Description and finish</b>		Flat head, notched, slipper skirt		Domed head; slipper skirt
<b>Weight (piston only) oz.</b>		21.60	20.64	24.80
<b>Clearance (limits)</b>	<b>Top land</b>	.0365-.0455	.0395-.0425	.0305-.0375
	<b>Skirt</b>	Top	.0005-.0011(a)	.0024-.0030(b)
		Bottom	.0007-.0013(c)	
<b>Ring groove depth</b>	No. 1 ring	.2217-.2283		.2253-.2318
	No. 2 ring	.2217-.2283		.2253-.2318
	No. 3 ring	.2038-.2103		.2098-.2168
	No. 4 ring			

\*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

\* - Optional on 13480 & 13680 models (RPO L35)

(a) Measured 2.24 from top of piston

(b) Measured 2.20 from top of piston

(c) Measured 1.95 from top of piston

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>

## POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO #									
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		(Std. first) (Indicate A/C ratio)									
13200 13400 13600 13835	327* RPO L30	One; 4-Bbl. Down-draft	10.0:1	275 @ 4800	355 @ 3200	3-Spd(2.54:1 low)	3.08	-	3.36	3.55	3.70					
						HD3-Sp*(2.41:1 lw)										
						4-Spd*(2.54:1 lw)										
	Powerglide*						3.36	-	3.55	3.70						
	Air/cnd*-All Trans						3.31	3.07	3.55	3.73						
	HD3-Sp*(2.41:1 lw)						3.31	-	3.55	3.73						
4 Spd*(2.52:1 low)						3.31	-	3.55	3.73							
Air/cnd*-Above Fr						3.31	-	3.55	3.73							
4-Spd*(2.20:1 low)						3.31	-	3.55	3.73	4.10	4.56	4.88				
Air/cnd* Above Trans						3.31	-	3.55	3.73							
13817 13867 13480 13680	396**	One; 4-Bbl. Down-draft	10.25:1	325 @ 4800	410 @ 3200	HD3-Sp** (2.41:1 lw)	3.31	3.07	3.55	3.73	4.10					
						4-Spd*(2.52:1 lw)										
						Powerglide*						3.07	2.73	3.31	3.73	4.10
						Turbo Hydra-Matic#						2.73*	-	3.07	3.31	
	Air/cnd*All Trans						3.07	-	-	-						
	HD3-Sp** (2.41:1 lw)						3.55	3.31	3.73	4.10						
	4-Spd*(2.52:1 low)									3.07	3.73					
	4-Spd*(2.20:1 low)						3.55	3.31	3.73	4.10	4.56	4.88				
	Powerglide*						3.31	3.07	3.55	3.73	4.10					
	TurbHydra-Matic*						3.07	2.73	3.31	3.73	4.10					
Air/Cnd-All Trans*						3.07	-	-	-							

\* - Optional

\*\* - Standard on 13817 & 13867; optional on 13480 & 13680

\*\*\* - Turbo Hydra/396 - 325 HP with K19 - 2.56 std., 2.73 & 3.07 opt.

# - Positraction required for 4.10:1, 4.56:1, 4.88:1, available opt'ly for other ratios shown.

A - Standard

B - Economy - optional

C - Performance - optional

D - Special - optional



# AMA Specifications—Passenger Car

**MAKE OF CAR** CHEVELLE **MODEL YEAR** 1967 **DATE ISSUED** 10-7-66 **REVISED** <sup>(\*)</sup>  
 13200-400-600; 13835 13817-67-13480-13680  
 327 Cu. In. V-8 396 Cu. In. V-8  
**MODEL** 275HP-opt(L30) 325HP-opt(L79) 325HP-Standard 350HP-opt(L34)

## ENGINE—RINGS

<b>Function</b> (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
	No. 4, oil or comp.	None	
<b>Compression</b>	Description - <b>Upper</b>	(a)	No bevel, barrel face, Moly, filled groove
	material, coating, etc.	<b>Lower</b>	(b)
	Cast alloy iron, inside bevel, tapered face, wear resist. ctg. on L30&Std. chrome pl on L79 & L34		
	Width	(c)	.0770-.0775 upper & lower
Gap		.013-.023	.013-.025   .010-.020
<b>Oil</b>	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chromeplated OD, Expander-stainless steel	
	Width	.1870-.1890 (assembled)	
	Gap	.015-.055	.010-.030
<b>Expanders</b>		In oil ring assembly	

## ENGINE—PISTON PINS

<b>Material</b>	Chromium steel		
<b>Length</b>	2.990-3.010	2.930-2.950	
<b>Diameter</b>	.9270-.9273	.9895-.9898	
<b>Type</b>	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bushing	In rod or piston	None
		Material	None
<b>Clearance</b>	In piston	.00015-.00025	.00025-.00035
	In rod	---	
<b>Direction &amp; amount offset in piston</b>		Major thrust side .055-.065; on center for L79	

## ENGINE—CONNECTING RODS

<b>Material</b>	Drop forged steel		
<b>Weight (oz.)</b>	14.56	27.84	
<b>Length (center to center)</b>	5.699-5.701	6.130-6.140	
<b>Bearing</b>	<b>Material &amp; Type</b>	Premium aluminum	
	Overall length	.807	.857
	Clearance (limits)	.0007-.0028	.0009-.0029
	End play	.009-.013	.016-.020

\* - Optional on 13480 & 13680 models (RPO L35)

(a) Cast alloy iron, inside bevel, tapered chrome plated face

(b) Two piece; cast alloy iron; inside bevel ring and steel expander

(c) .0775-.0780 upper; .0770-.0780 lower

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>

MODEL 13200-400-600; 13835 13817-67-183480-13680  
327 Cu. In. V-8 396 Cu. In. V-8  
275HP-opt(L30) 325HP-opt(L79) 325HP Standard\* 350HP-opt(L34)

## ENGINE—CRANKSHAFT

Material	Forged steel	Nodular Iron	Forged steel	
Vibration damper type	Rubber mounted inertia damper			
End thrust taken by bearing (No.)	Five			
Crankshaft end play	.002-.006	.006-.010		
Main bearing	Material & type	Steel, backed insert selected bearing material -- copper lead alloy or premium alum. -- for intended engine operation & applic.		
	Clearance	(a)	(b)	
	Journal dia. and bearing overall length	No. 1	2.3003x.752	2.7505x.992
		No. 2	2.3004x.752	2.7505x.992
		No. 3	2.3004x.752	2.7505x.992
		No. 4	2.3004x.752	2.7505x.992
		No. 5	2.3009x1.177	2.7506x1.2525
No. 6	None			
No. 7	None			
Dir. & amt. cyl. offset	None			
Crankpin journal diameter	1.999x2.000	2.199x2.200		

## ENGINE—CAMSHAFT

Location	In block above crankshaft			
Mat	Cast alloy iron			
Bearings	Material	Steel backed babbitt		
	Number	Five		
Type of Drive	Gear or chain	Chain		
	Crankshaft gear or sprocket material	Steel sprocket		
	Camshaft gear or sprocket material	Cast aluminum sprocket		
	Timing chain	No. of links	50	
		Width	.880	
Pitch		.500		

## ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)	Standard		
Valve rotator, type (intake, exhaust)	None		
Rocker ratio	1.50:1	1.75:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero	
	Exhaust	Zero	
Timing mark. on flywheel, damper, other	Torsional Damper		

\* Optional on 13480 & 13680 models (RPO L35)

(Continued)

( ) #1- (.0008 - .0020) #2, 3 & 4- (.0008 - .0024) #5- (.0015 - .0031)  
 ( ) #1 & 2- (.0010 - .0022) #3 & 4- (.0013 - .0025) #5- (.0015 - .0031)

# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b>	CHEVELLE	<b>MODEL YEAR</b>	1967
		<b>DATE ISSUED</b>	10-7-66 REVISED <sup>(*)</sup>
		13200-400-600; 13835	13817-67-13480-13680
		327 Cu. In. V-8	396 Cu. In. V-8
<b>MODEL</b>		275HP-opt(L30) 325HP-opt(L79)	325HP-Standard* 350HP-opt(L34)

## ENGINE—VALVE SYSTEM (cont.)

<b>Timing</b>	<b>Intake</b>	Opens (°BTC)	38°	54°	40°	56°
		Closes (°ABC)	92°	108°	102°	114°
		Duration-deg.	310°	342°	322°	350°
	<b>Exhaust</b>	Opens (°BBC)	88°	102°	87°	110°
		Closes (°ATC)	52°	60°	55°	62°
		Duration-deg.	320°	342°	322°	352°
	<b>Valve opening overlap</b>		90°	114°	95°	118°
<b>Intake</b>	<b>Material</b>		Alloy steel		Alloy steel, face&head aluminiz	
	<b>Overall length</b>		4.870-4.889		5.215-5.235	
	<b>Actual overall head dia.</b>		1.935-1.945	2.017-2.023	2.060-2.070	
	<b>Angle of seat &amp; face</b>		46° (seat) 45° (face)			
	<b>Seat insert material</b>		None			
	<b>Stem diameter</b>		.3410-.3417		.3715-.3722	
	<b>Stem to guide clearance</b>		.0010-.0027			
	<b>Lift (@ zero lash)</b>		.3900	.4472	.3983	.4614
	<b>Outer spring press. and length</b>	Valve closed (lb.@ in.)	76-84 @ 1.70		94-106 @ 1.88	
		Valve open (lb.@ in.)	194-206 @ 1.25		303-327 @ 1.38	
	<b>Inner spring press. and length</b>	Valve closed (lb.@ in.)	Spring Damper			
		Valve open (lb.@ in.)	Spring Damper			
	<b>Exhaust</b>	<b>Material</b>		High alloy steel, aluminized face; also aluminized head on 396 cu.		
<b>Overall length</b>		4.913-4.933	4.891-4.910	5.345-5.365		
<b>Actual overall head dia.</b>		1.495-1.505	1.595-1.605	1.715-1.725		
<b>Angle of seat &amp; face</b>		46° (Seat) 45° (face)				
<b>Seat insert material</b>		None				
<b>Stem diameter</b>		.3410-.3417		.3713-.3720		
<b>Stem to guide clearance</b>		.0010-.0027				
<b>Lift (@ zero lash)</b>		.4100	.4472	.3983	.4800	
<b>Outer spring press. and length</b>		Valve closed (lb.@ in.)	76-84 @ 1.70		94-106 @ 1.88	
		Valve open (lb.@ in.)	194-206 @ 1.25		303-327 @ 1.38	
<b>Inner spring press. and length</b>		Valve closed (lb.@ in.)	Spring Damper			
		Valve open (lb.@ in.)	Spring Damper			

## ENGINE—LUBRICATION SYSTEM

<b>Type of lubrication (splash, pressure, nozzle)</b>	<b>Main bearings</b>	Pressure
	<b>Connecting rods</b>	Pressure
	<b>Piston pins</b>	Splash
	<b>Camshaft bearings</b>	Pressure
	<b>Tappets</b>	Pressure
	<b>Timing gear or chain</b>	Centrifugally oiled from camshaft bearing
	<b>Cylinder walls</b>	Pressure, jet cross sprayed

\* - Optional on 13480 & 13680 (RPO L35)

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66 REVISED (1)
			13200-400-600; 13835		13817-67-13480-13680
			327 Cu. In. V-8		396 Cu. In. V-8
MODEL			275HP-opt(L30) 325HP-opt(L79)		325HP Stand. * 350HP-opt(L34)

## ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type		Gear
Normal oil pressure (lb. @ engine rpm)	30-45 psi @ 1500	50-75 psi @ 2000
Oil pressure sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, partial, other)	Full Flow	
Filter replacement (element, complete)	Element	
Capacity of crankcase, less filter-refill (qt.)	4	
Oil grade recommended (SAE viscosity and temperature range)	32°F and above ----- SAE 20W, SAE 10W-30 0°F to 32°F* ----- SAE 10W, or SAE 10W-30 Below 0°F ----- SAE 5W or SAE 5W-20 *(SAE 5W-30 may be used at temperatures below freezing)	
Engine Service Requirement (MM, MS, etc.)		

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single with cross-over	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One; reverse flow	Two; reverse flow
Exhaust pipe dia. (O.D., wall thickness)	@	-----
Branch (O.D., wall thickness)	2.50 x .073-.091 laminated	
Main (O.D., wall thickness)	1.875x.062-.076	2.25x.062-.076

## ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system			
	Optional	---			
Control Unit	Make and model	---			
	Location	Rear of carburetor			
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum			
Complete system	Control method (variable orifice, fixed orifice, other)	Variable Orifice	Fixed Orifice	Variable Orifice	Fixed Orifice
	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold			
Complete system	Air inlet (breather cap, carburetor air cleaner, other)	Breather Cap	Carburetor Air Cleaner	Breather Cap	Carburetor Air Cleaner
	Flame arrestor (screen, check valve, other)	Check Valve	Screen	Check Valve	Screen

\* Optional on 13480 & 13680 models (RPO L35)

( ) 2.00 x .084-.104 laminated

# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b>	CHEVELLE	<b>MODEL YEAR</b>	1967	<b>DATE ISSUED</b>	10-7-66	<b>REVISED</b> <sup>(*)</sup>
<b>MODEL</b>	Mn'l Trn.   Auto	Mn'l Trn.   Auto	Mn'l Trn.   Auto	Mn'l Trn.   Auto	Mn'l Trn.   Auto	Mn'l Trn.   Auto

## ENGINE—EXHAUST EMISSION CONTROL

<b>Type (Air injection, engine modifications, other)</b>		Air Injection								
<b>Air Injection Pump</b>	Type	Semi-articulated vane type								
	Displacement	19.3 cubic inches								
	Drive ratio	1.25:1								
	Drive type	Crankshaft pulley								
	Relief valve (type)	Pressure (plate type)								
	Filter (describe)	None (clean air drawn from air cleaner)								
<b>Air Injection System</b>	Air distribution (head, manifold, etc.)	Manifold								
	Point of entry	Exhaust ports								
	Injection tube I.D.	.2565								
	Check valve type	Pressure (plate type)								
	Backfire protection (type)	Vacuum actuated anti-backfire valve								
<b>Carburetor</b>	Make	Rochester		Holley		Rochester		Holley		
	Model	7037213	7037212	3903391	7037211	7037210	3908959	390895		
	Barrel size	1.38(Pr.) 2.25(Sc)		1.562P&S		1.38(Pr.) 2.25(Sc)		1.561(Pr. & Sc)		
	Idle speed	Drive	--	600	--	--	500	--	550	
		Neutral	700	--	750	700	--	700	--	
	Aux. Adv. Systems (type)	None								
<b>Distributor</b>	Make	Delco Remy								
	Model	1111150		1111195		1111169				
	Cent'gal adv. in crank degrees @ eng. rpm.	Start (rpm)	900		900		900			
		Intermed. points deg. @ rpm	15 @ 2000		15 @ 1500		17 @ 2000			
		Max. deg. @ rpm.	28 @ 4200		30 @ 5100		32 @ 5000			
	Vacuum adv. in. crank degrees @ eng. rpm	Start (in Hg)	8		6		8			
		Intermed. points deg. @ in. Hg	None							
Max. deg. @ in.		15 @ 15.5		15 @ 12		15 @ 15.5				
	Vacuum Source	Carburetor								
	Timing - Crank degrees @ rpm	6 BTDC@Idle (a) 10 BTDC				4 BTDC@Idle (b)				
	Cooling System (describe changes)	195° Thermostat								
	Exhaust System (describe changes)	None								

\* Optional on 13480 & 13680 models (RPO L35)

(a) 6°-10° BTDC when used with automatic transmission

(b) 4°-10° BTDC when used with automatic transmission

# AMA Specifications—Passenger Car

**MAKE OF CAR** CHEVELLE    **MODEL YEAR** 1967    **DATE ISSUED** 10-7-66    **REVISED** <sup>(a)</sup>  
13200-400-600-13835    13817-67-13480-13680  
327 Cu. In. V-8    396 Cu. In. V-8  
**MODEL** 275HP-opt(L30) | 325HP-opt(L79) | 325HP-Stand.\* | 350HP-opt(L34)

## ENGINE—FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		<b>Carburetor</b>
Fuel Tank	Refill capacity (gals.)	20 (approximately)
	Filler location	Behind hinged rear license plate (a)
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Lower right front of engine
	Pressure range (PSI)	5.25-6.50      5.00-6.50      7.25-8.50
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	Fine mesh plastic strainer in gas tank and
	Locations	sintered bronze filter in carburetor inlet
Carburetor	Choke type	Automatic
	Intake manifold heat control (exhaust or water)	Exhaust
	Air cleaner type	Oil-wetted paper element
	Standard	
	Optional	

## CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
13200 13400 13600 13835	327 cu.in.	3-Spd&4-Spd Powerglide	Rochester	7027203	One; 4-Bbl	1.38(Prim) 2.25(Sec.)
		Turbo Hydramatic		7027202		
	325 HP	3-Spd&4-Spd	Holley	3903389		1.562(Prim) & Sec.
		3-Spd&4-Spd Powerglide & Turbo Hydramatic	Rochester	7027201 7027200		One; 4-Bbl
13817 13867 13480 13680	396 cu.in.	3-Spd&4-Spd Powerglide & Turbo Hydramatic	Holley	3908957 3908956	One; 4-Bbl	1.562 (Prim) & Sec.
		3-Spd&4-Spd Powerglide & Turbo Hydramatic				
	350 HP					

\* Optional on 13480 & 13680 models (RPO L35)  
(a) Left rear quarter on station wagons and pickups

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>  
 13200-400-600; 13835 13817-67-13480-13680  
 327 Cu. In. V-8 396 Cu. In. V-8  
 MODEL 275HP-opt(L30)|325HP-opt(L79)|325HP Stand. \* |350HP-opt(L3)

## ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure			
Radiator cap relief valve pressure	15± 1 psi			
Circulation thermostat	Type (choke, bypass)	Choke		
	Starts to open at. (°F)	177°-183° F		
	Type (centrifugal, other)	Centrifugal		
Water pump	GPM @ 1000 pump rpm	57 @ 4400	82 @ 5200	
	Number of pumps	One		
	Drive (V-belt, other)	V-belt		
	Bearing type	Double row ball		
By-pass recirculation type (internal, external)	Internal		External	
Radiator core type (cellular, tube and fin, other)	Tube and Center			
Cooling system capacity	With heater (qt.)	15	16	23
	Without heater (qt.)	14	15	22
	Opt. equipment-specify (qt.)	17	17	23
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	1.88
	Upper	Number and type (molded, straight)	One, molded	
		Inside diameter	1.50	
	By-pass	Number and type (molded, straight)	None	One, molded
		Inside diameter	None	.725-.765
Fan	Number of blades & spacing	4, Staggered		
	Diameter	17.62		
	Ratio-fan to crankshaft rev.	.949:1		
	Fan cutout type	None		
	Bearing type	Double row ball		
*Drive belts (indicate belt used by letter)	Fan	A		D
	Generator or alternator	A		D
	Water Pump	A		D
	Power Steering	B		E
	Air Conditioning	C		F

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V					38°-42°						
Nominal length (SAE)	53.50	41.20	57.50	56.20	49.50	61.00					
Width					.380						

\* Optional on 13480 & 13680 models (RPO L35)

# AMA Specifications—Passenger Car

**MAKE OF CAR** CHEVELLE    **MODEL YEAR** 1967    **DATE ISSUED** 10-7-66    **REVISED** <sup>(\*)</sup>  
**MODEL** 13200-400-600-13835    13817-67-13480-13680  
327 Cu. In. V-8    396 Cu. In. V-8  
275HP-opt(L30) | 325HP-opt(L79) | 325HP-Stand.\* | B50HP-opt(L34)

## ELECTRICAL—SUPPLY SYSTEM

<b>Battery</b>	Make and Model		Delco-Remy #1980030	
	Voltage Rtg. & Total Plates		12 Volt-66 plate	
	SAE Designation & Amp Hr. Rtg.		61 Amp/hr@20 hr rate	
	Location		Right front engine compartment	
	Terminal grounded		Negative	
<b>Generator or Alternator</b>	Make		Delco-Remy	
	Model		1100693	
	Type and rating		Diode rectified (37 amps)	
	Output at engine idle (neutral)		13 Amps	16 Amps
	Ratio-Gen. to Cr/s rev.		2.46:1	
<b>Regulator</b>	Make		Delco-Remy	
	Model		1119515	
	Type		Vibrator	
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open	None	
	Regulated	Voltage	13.8-14@85°F	
		Current	---	
	Voltage test conditions	Temperature	Operating	
Load		3-8 Amperes		
Other		None		

## ELECTRICAL—STARTING SYSTEM

<b>Starting motor</b>	Make		Delco-Remy		
	Model		#1107496	#1107320	#1107365
	Rotation (drive end view)		Clockwise		
	Engine cranking speed		---		
	Test conditions		Engine at operating temperatures		
	No load test	Amps	65-100	70-99	
		Volts	10.6	10.6	
RPM (min)		3600-5100	7800-12000		
<b>Motor control</b>	Switch (solenoid, manual)		Solenoid		
	Starting procedure		<p>3-SPD &amp; 4-SPD - Place gearshift in neutral and depress clutch to floor.</p> <p>AUTOMATIC - Place control lever in N or P position.</p> <p>INITIAL START - Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START &amp; release as soon as engine starts.</p>		

\* Optional on 13480 & 13680 models (RPO 135) (continued)



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>

MODEL 13200-400-600; 13835 13817-67-13480-13680  
275HP-opt(L30) 325HP-opt(L79) 325HP-stand\* 350HP-opt(L  
327 Cu. In. V-8 396 Cu. In. V-8

## ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid		
	Pinion meshes (front, rear)		Rear		
	Number of teeth	Pinion	9		
		Flywheel	Manual	153	168
			Auto.	153	NA
	Flywheel tooth face width	Manual	.4010-.4130	.4100-.4220	
		Auto.	.4010-.4130	NA	
			.4100-.4220	.4100-.4220	

## ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.		Not available			
	Make		Delco-Remy			
	Model		1115204			
	Amps	Engine stopped		4.0		
Engine idling		1.8				
Distributor	Make		Delco-Remy			
	Model		1111249	1111195	1111169	1111170
	Cem'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	900	900	900	900
		Intermediate points deg. @ rpm.	11 @ 1500	15 @ 1500	17 @ 2000	17 @ 2000
		Max. deg. @ rpm.	26 @ 4100	30 @ 5100	32 @ 5100	32 @ 5100
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	8	6	8	7
		Intermediate points, deg. @ in. Hg.	None			
		Max. deg. in. Hg.	15 @ 15.5	15 @ 12	15 @ 15.5	12 @ 12
	Breaker gap (in.)		.019			
	Cam angle (deg.)		28°-32°			
Breaker arm tension (oz.)		19-23				
Timing	Crankshaft deg. @ rpm.	8 BTDC@500	10BTDC@700	4BTDC@500	4BTDC@550	
	Mark location	Torsional Damper				
Spark Plug	Make		AC Spark Plug			
	Model		AC 44	AC 43N		
	Thread (mm)		14			
	Tightening torque (lb. ft.)		25			
	Gap		.037-.038			
Cable	Conductor type		Linenc core impregnated with electrical conducting mat'l			
	Insulation type		Rubber with neoprene jacket			
	Spark plug protector		Hypalon	Silicon		

\* Optional on 13480 & 13680 models (RPO L35)

# AMA Specifications—Passenger Car

NAME OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED (*)
MODEL	13200-400-600; 13835 327 Cu. In. V-8		13817-67-13480-13680 396 Cu. In. V-8			
	275HP-opt(L30) 325HP-opt(L79)		325HP-Standard*		1350HP-opt(L34)	

## ELECTRICAL—SUPPRESSION

Locations & type	Non-metallic high tension ignition cables
------------------	--

## ELECTRICAL—INSTRUMENTS AND EQUIPMENT

Speedometer	Make	AC
	Trip odometer (yes, no)	NA
Charge indicator—type	Tell-tale; gage models 13817-67	
Temperature indicator—type	Tell-tale; gage models 13817-67	
Oil pressure indicator—type	Tell-tale; gage models 13817-67	
Fuel indicator—type	Electric gage	
Other	None	
Windshield wiper	Make	Delco
	Type—Standard	Electric; two-speed
	Type—Optional	None
	Vacuum booster provision	None
	Washer provision	Pushbutton-standard
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	(Low note) 4.5-6.5@12.5V. (Hi note) 4.2-6.2@12.5V.

## DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	3-Spd & 4-Spd   Hvy. Duty(M01)	3-Speed & 4-Speed	
Type pressure plate springs	Chevrolet single dry disc centrifugal		
Total spring load (lb.)	2100-2300	2450-2750	
No. of clutch driven discs	One		
Clutch facing	Material	Premium grade woven asbestos	
	Outside & inside dia.	10.4 & 6.5	11.0 & 6.5
	Total eff. area (sq. in.)	103.53	123.70
	Thickness	.1350 each	.1400 each
	Engagement cushioning method	Flat spring steel between facings	
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

\* Optional on 13480 & 13680 models (RPO L35)

# AMA Specifications—Passenger Car

**MAKE OF CAR** CHEVELLE **MODEL YEAR** 1967 **DATE ISSUED** 10-7-66 **REVISED** <sup>(a)</sup>  
 13200-400-600; 13835      13817-67-13480-13680  
 327 Cu. In. V-8      396 Cu. In. V-8  
**MODEL** 275HP-opt(L30) | 325HP-opt(L79) | 325HP-Stand. \* | 350HP-opt(L3

### DRIVE UNITS—TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard	Heavy Duty 3-Spd Optional (a)	
Manual 4-speed (std. or opt.)		Optional	
Manual with overdrive (std. or opt.)		Not available	
Automatic (std. or opt.)	Powerglide	Not available	Powerglide and Turbo Hydra-matic

### DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		3-Spd (b)	HD 3-Spd(c)	4-Spd (d)	4-Spd (e)	4-Spd (f)	
		3	3	4	4	4	
Transmission ratios	In first	2.54	2.41	2.54	2.52	2.20	
	In second	1.50	1.57	1.80	1.88	1.64	
	In third	1.00	1.00	1.44	1.47	1.27	
	In fourth	-	-	1.00	1.00	1.00	
	In reverse	2.63	2.41	2.54	2.59	2.26	
Synchronous meshing, specify gears		All forward gears					
Shift lever location		Strg. column	Floor				
Lubricant	Capacity (pt.)	3	3.5	3			
	Type recommended	Meeting Military Spec. MIL-L-2105B					
	SAE viscosity number	Summer	SAE 80				
		Winter	SAE 80				
Extreme cold		SAE 80					

### DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Type (planetary or other)		
Manual lockout (yes, no)		
Downshift accelerator control (yes, no)		
Minimum cut-in speed		NOT
Gear ratio		
Lubricant	Capacity (pt.) (Overdrive only)	AVAILABLE
	Separate filler (yes, no)	
	Type recommended	
	SAE viscosity number	Summer
Winter		
Extreme cold		

- \* Optional on 13480 & 13680 models (RPO L35)
- (a) Also optional on 327 Cu. In. L30
- (b) Standard 3-speed for 327 Cu. In. 275 HP
- (c) Available all 327 and 396 Cu. In. engines
- (d) Used with 327 Cu. In. 275 HP
- (e) Available with 327 Cu. In. (325HP) and all 396 Cu. In. engines
- (f) Close ratio available with 327 Cu. In. (325 HP) and 396 Cu. In. Engines only.

# AMA Specifications—Passenger Car

NAME OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED <sup>(a)</sup>
MODEL	13200-400-600-13835 327 Cu. In. V-8		13817-67-13480-13680 396 Cu. In. V-8		275HP-opt(L30) 325HP-opt(L79) 325HP Stand. * 350HP-opt(L34)	

## DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide (a)		Turbo Hydra-Matic (b)	
Type describe	Torque converter with planetary gears			
Method of Selection (Lever, Push Button or other)	Lever, steering column mounted; Floor mounted when used with optional bucket seats			
Selector Pattern	P-R-N-D-L		P-R-N-D-L <sub>2</sub> -L <sub>1</sub>	
List gear ratios Selector Pattern and indicate which are used in each selector position	Drive 1.76 and 1.0 Low and reverse 1.76		L <sub>1</sub> -2.48 L <sub>2</sub> -2.48, 1.48 D -2.48, 1.48, 1.0 R -2.08	
Max. upshift speeds—drive range	70 (c)	77 (d)	79 (e)	(2-3) 86 (1-2) 50
Max. kickdown speeds—drive range	66 (c)	73 (d)	74 (e)	(3-2) 80 (2-1) 40
Torque converter	Number of elements	3		
	Max. ratio at stall	2.10		2.04
	Type of cooling (air, liquid)	Water		
Lubricant	Capacity—refill (pt.)	6		8
	Type recommended	A Suffix A		
Special transmission features				

## DRIVE UNITS—PROPELLER SHAFT

Number used	One	
Type (exposed, torque tube)	Exposed, Unsupported	
Outer diameter x length* x wall thickness	Manual 3-speed transmission	3.25 x 60.13 x .065
	Manual 4-speed transmission	3.25 x 60.13 x .065
	Overdrive transmission	NA
	Automatic transmission	3.25 x 60.13 x .065

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

(Continued)

\* Optional on 13480 & 13680 models (RPO L35)

(a) Available with 327 Cu. In. (275HP) and 396 Cu. In. engines only.

(b) Available with 396 Cu. In. engines only.

(c) 327 Cu. In. (275 HP)

( ) 396 Cu. In. (325 HP)

(e) 396 Cu. In. (350 HP)

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>

MODEL

13200-400-600-800

## DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Universal joints	Make	Chevrolet
	Number used	Two
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control Arms
Torque taken through (torque tube or arms, springs)		Control Arms

## DRIVE UNITS—REAR AXLE

Description	Semi-Floating, overhung pinion gear		
Limited Slip differential, type	Dual disc clutches		
Drive Pinion Offset	1.5		
No. of differential pinions	Two		
Ring gear O.D. (std. ratio)	8.125 (a)	8.875 (b)	
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Single row cylindrical		
Lubricant	Capacity (pt.)	8.125 Ring gear 3.5; 8.875 Ring gear 4.0	
	Type recommended	Military Spec. MIL-L-2105-B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
Extreme cold		SAE 80	

## REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio	2.73	3.07	3.08	3.31	3.36	3.55
No. of teeth	Pinion	15	14	12	13	11
	Ring gear	41	43	37	43	37
Axle ratio	3.70	3.73	4.10	4.56	4.88	
No. of teeth	Pinion	10	11	10	9	8
	Ring Gear	37	41	41	41	39

(a) 327 Cu. In. 275 H. P.

(b) 327 Cu. In. 325 H. P., and 396 Cu. In. (325 H. P. &amp; 350 H. P.)

# AMA Specifications—Passenger Car

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13200-400-600-800

MODEL \_\_\_\_\_

## DRIVE UNITS—WHEELS

Type & material		Short spoke disc
Rim (size and flange type)	Std.	14 x 5J; SS 396, 14 x 6JK
	Opt.	14 x 6.0 except SS 396
Attachment	Type (bolt or stud)	Bolt
	Circle diameter	4.75
	Number and size	5 Hex nuts, 7/16-20 NEF-2B

## DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.35 x 14 (a)	7.75 x 14 (b)	F70x14 (c)
	Type - Nylon, etc.	Original Equipment		
Rev/mile at 50 mph.		803	N. A.	779
Inflation press. (cold)	Front	26 Coupes, Sedans & Conv.; 22 St. Wags.; 24 Pickup		
	Rear	26 Coupes, Sedans & Conv.; 30 St. Wags.; 30 Pickup		
Optional tires - size and ply		7.75 x 14 (a) F70 x 14 (a, b)		

## BRAKES—SERVICE

		STANDARD	METALLIC (opt)	FRT. DISC (opt)
Type (duo-servo, disc, balanced, etc.)		Duo-Servo 4-wheel hydraulic		Disc
Se justing (std., opt., N.A.)		Standard		
Hydraulic system type (single, dual, etc.)		Dual		
Power brake make & type (remote, integral, etc.)		Bendix, Delco-Moraine vacuum power unit assists master cylinder; integral		
Effective area (sq. in.) *		168.9	118.1	114.0
Gross lining area (sq. in.) **		168.9	118.1	118.1
Swept drum area (sq. in.) ***		268.6		332.4
Percent brake effectiveness—front		59.4		68.7
Drum or Rotor	Diameter	9.5		11.00
		9.5		
	Type and material	Composite; Cast iron rim; steel web		Cast iron
	Rotor (vented or solid)	---		Vented
	No. pistons per caliper	---		4
Wheel cylinder bore	Front	1.125		2.0625
	Rear	.9375		
Master cylinder bore		1.00	.875	1.125
Available pedal travel		7.00		5.00
Line pressure at 100 lb. pedal load		786	1026	---
Shoe clearance adjustment		Self Adjusting		

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

(Continued)

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

\*\*\* Total swept area for four brakes:

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

- (a) - 327 Cu. In. (275HP) All models except Sport Sedan, Convertibles & Station Wagon  
 (b) - Sport Sedans, Convertibles & Station Wagons 327 Cu. In. (275 HP); Pick-up Delivery  
 with 396 Cu. In. (325 HP & 350 HP); and all models with 327 Cu. In. (325 HP).  
 (c) - SS 396 Cu. In. models only.

# AMA Specifications—Passenger Car

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MODEL

13200-400-600-800

BRAKES—SERVICE (cont.) STANDARD				METALLIC (OPT)		FRT. DISC (OPT)	
Drum or Disc				Drum			
Bonded or riveted				Bonded		Welded	
Material				Molded asbestos		Sintered iron	
Front Wheel	Size (length x width x thickness)	Prim. or out-board		9.01 x 2.5 x .17		1.64 x 1.25 x .175	
		Second. or in-board		9.75 x 2.5 x .20		1.64 x 1.00 x .285	
Segments per shoe				One		3 Pri 5 Sec	
Material				Molded asbestos		Sintered iron	
Rear Wheel	Size (length x width x thickness)	Prim. or out-board		9.01 x 2.0 x .17		1.64 x 1.00 x .175	
		Second. or in-board		9.75 x 2.0 x .20		1.64 x 1.00 x .285	
Segments per shoe				One		3 Pri 5 Sec	
Material				Molded asbestos		Sintered iron	
Rear Wheel	Size (length x width x thickness)	Prim. or out-board		9.01 x 2.0 x .17		1.64 x 1.00 x .175	
		Second. or in-board		9.75 x 2.0 x .20		1.64 x 1.00 x .285	
Segments per shoe				One		3 Pri 5 Sec	

## BRAKES—PARKING

Type of control		Pulley cable linkage, foot pedal apply, handle	
Location of control		Release below instrument panel, left of steering column	
Operates on		Rear service brakes	
If separate from service brakes	Type (internal or external)	---	
	Drum diameter	---	
	Lining size (length x width x thickness)	---	

## FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	All welded perimeter frame with front crossmember, rear suspension cross member and rear crossmember.
---	---

## STEERING

Manual (std., opt., NA)		Standard - Energy absorbing steering column	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	TILT: Tilt achieved with universally-jointed steering shaft as base of steering wheel; 5-inch vertical travel range.	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	16.5	
	Power	16.5	
Turning diameter	Outside front	Wall to wall (l. & r.)	43.1
		Curb to curb (l. & r.)	40.3
	Inside rear	Wall to wall (l. & r.)	24.1
		Curb to curb (l. & r.)	24.7
Outside wheel angle with inside wheel at 20°			18.4
Manual	Gear	Type	Semi-reversible, recirculating ball nut
		Make	Saginaw
	Ratios	Gear	24:1
		Overall	28:1
No. wheel turns			5.48 Lock to Lock

(Continued)

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(6)</sup>

13200-400-600-800

MODEL

## STEERING (cont.)

Power	Type (coaxial, linkage, etc.)		Coaxial	
	Make		Saginaw	
	Gear	Type	Same as manual	
		Ratios	Gear	17.5:1
			Overall	20.4:1
	Pump driven by		Crankshaft pulley	
Number wheel turns		3.98		
Linkage	Type		Parallelogram	
	Location (front or rear of wheels, other)		Front of wheels	
	Drag link (trans. or longit.)		None	
	Tie-rods (one or two)		Two	
Steering Axis	Inclination at camber (deg.)		7-3/4 to 8-3/4	
	Bearings (type)	Upper	Ball stud with non-metallic bearing surfaces	
		Lower	Ball stud with non-metallic bearing surfaces	
		Thrust	None	
Wheel Alignment (curb weight and preferred)	Caster (deg.)		N 1-1/2 to N 1/2; SS 396 & Pickup; N 1 to 0	
	Camber (deg.)		0 to P 1	
	Toe-in (outside track inches)		1/8 to 1/4	
Steering spindle & joint type			Forging with pad for mounting brake cylinder, spherical	
Wheel spindle	Diameter	Inner bearing	1.2493-1.2498	
		Outer bearing	.7493-.7498	
	Thread size		3/4-20 NEF-3 (Modified)	
	Bearing type		Taper roller	



# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b>	CHEVELLE	<b>MODEL YEAR</b>	1967	<b>DATE ISSUED</b>	10-7-66	<b>REVISED</b> <sup>(a)</sup>
<b>MODEL</b>	13200-400-600-13835 327 Cu. In. V-8		13817-67-13480 & 13680 396 Cu. In. V-8			

## SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension)\*

Provision for car leveling	Front Stabilizer Bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for acc. squat control	Geometry of rear suspensions	
Special provisions for car jacking	Bumper jack applied outboard of bumper bolt	
Shock absorber front & rear	Type	Direct double acting, hydraulic
	Make	Delco-Products
	Piston dia.	1.00
Other special features		

## SUSPENSION—FRONT

Type and description	Independent - SLA type with coil spring and concentric shock absorber, and spherically jointed steering knuckle for each wheel.		
Spring	Type	Coil	
	Material	Steel alloy	
	Size (coil design height & I.D.; bar length x dia.)	12.59 & 3.63; 134.6 x .594	12.59 & 3.63; 135.8 x .637
	Spring rate (lb. per in.)	250	320
	Rate at wheel (lb. per in.)	99	120
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	H. R. steel, .812	H. R. steel, .937

## SUSPENSION—REAR

Type and description	Linked, Salisbury axle fixed by control arms		
Drive and torque taken through	Control arms		
Spring	Type	Coil	
	Material	Steel alloy	
	Size (length x width, coil design height & I.D.; bar length & dia.)	9.00 x 5.50; 103.8 x .522	9.00 x 5.50; 88.7 x .531
	Spring rate (lb. per in.)	100	130
	Rate at wheel (lb. per in.)	92	118
	Mounting insulation type	Natural Rubber	
	If leaf	No. of leaves	--
	Shackle (comp. ortens)	--	
Stabilizer	Type (link, linkless, frameless)	None	
	Material	--	
Track bar type	None		

# AMA Specifications—Passenger Car

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MODEL SEDANS  
2-DR | 4-DR | COUPES | CONV. | WAGONS | PICKUP

## BODY—MISCELLANEOUS INFORMATION

Doors hinged (front, rear)	Front doors	Front					
	Rear doors	Front					
Type of finish (lacquer, enamel, other)		Acrylic lacquer					
Hood counterbalanced (yes, no)		Yes					
Hood release control (internal, external)		External					
Vehicle Ident. No. location		Left front body hinge pillar					
Engine No. location		6-cyl. on crankcase R. H. side of engine, rear of distributor. 8-cyl. on top front of R. H. bank of cylinder and case					
Theft protection - type		Shielded ignition lock terminals key removable in "OFF" position					
Vent window control method (crank, friction pivot)	Front	Friction pivot					
	Rear	None					
Seat cushion type	Front	Formed wire and foam pad					
	Rear	Formed wire and cotton					
	3rd seat	None					
Seat back type	Front	Formed wire and foam pad					
	Rear	Formed wire and cotton					
	3rd seat	None					
Windshield glass type (i.e., single - curved - laminated plate)		Curved, laminated					
Side glass type (i.e., curved - tempered plate)		Curved					
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved	Plastic	Flat	Curved		
Windshield glass exposed surface area		1107.1	1144.2		1107.1		
Side glass exposed surface area		1353.6	1278.0(a)	1272.2	1208.6	2498.6	839.2
Backlight glass exposed surface area		935.1 (a)		728.9	833.8	768.4	665.2
Total glass exposed surface area		3395.8	3320.2(a)	3145.3	3186.6	4374.1	2611.5

## LAMP HEIGHT AND SPACING

Height above ground to center of bulb	Headlamp	Highest *	25.7	26.0	26.2	26.4
		Lowest	25.7	26.0	26.2	26.4
	Tail	Highest	23.8	24.2		26.7
		Lowest		---		
Distance from C/L of car to center of bulb	Headlamp	Inside	20.9			
		Outside *	28.4			
	Tail	Inside	27.9			
		Outside	---			
	Directional	Front	27.2			
		Rear	27.9			

\* If single headlamps are used enter here.

(a) Sport Sedan: Back window 812.8; Side 1432.8; Total 3352.7

# AMA Specifications—Passenger Car

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MODEL

13200-400-600-800

## CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	NA models 132-13400 -- Optional all other models
	Vent Windows	NA
	Backlight or tailgate	Optional
Power seats (specify type as well as availability)		Optional 4-way electric control
Reclining front seat back		NA
Front seat headrest		Optional
Radios (specify type as well as availability)		Optional AM-Manual, AM-Push-button, AM-FM-Push-button
Rear seat speaker		Optional
Power Antenna		NA
Clock		Optional 132-13400 -- Standard all other models
Air Conditioner (specify type and availability)		Optional Four season and custom (recirculating)
Speed warning device		Optional
Speed control device		Optional
Ignition lock lamp		NA
Back up lamp		Standard
Dome lamp		Standard
Glove compartment lamp		Optional 132-13400 -- Standard all other models
Prkg. brake signal lamp		Optional
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		NA models 13567-667-867 -- Optional all other models
Map lamp		NA
Auto. trans. quad. lamp		Standard
Emergency flasher lamp, Four-way		Standard
Cornering light lamp		NA
Freeway lane change signal		Standard
Instrument panel pad		Standard
Left hand outside mirror		Standard
Padded sun shades		Standard
Brake system warning and parking brake light		Standard
Steering column energy absorbing.		Standard

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## WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
	Front	Rear	Total	2 Pass. in Front		* Pass. in Rear		
				Front	Rear	Front	Rear	
	Base V-8 283							Base V-8 283
<b>CHEVELLE 300</b>								
13211 2-dr. sedan			3220	32			68	3070
13269 4-dr. sedan			3240	32			68	3090
<b>CHEVELLE 300 DELUXE</b>								
13411 2-dr. sedan			3235	32			68	3090
13435 4-dr. wagon			3520	32			68	3360
13469 4-dr. sedan			3260	32			68	3100
13480 sedan pickup			3245	23			77	3085
<b>MALIBU</b>								
13635 4-dr. wagon			3550	32			68	3390
13617 2-dr. coupe			3260	39			61	3115
13667 2-dr. conv.			3330	39			61	3185
13669 4-dr. sedan			3280	32			68	3130
13680 sedan pickup			3260	23			77	3105
13639 4-dr. spt. sedan			3345	32			68	3200
<b>SS 396</b>								
	Base V-8 396							Base V-8 396
13817 2-dr. coupe			3585	39			61	3415
13867 2-dr. conv.			3655	39			61	3495
<b>CONCOURS</b>								
	Base V-8 283							Base V-8 283
13835 4-dr. wagon			3560	32			68	3405
Accessories & Equipment Differential Weights				Remarks				
				* - 3 pass. in rear Sedans & wagons;				
Air conditioning				300 lb load on pickups; 2 pass. all				
Air injection system				others.				
Brakes, power								
Brakes, disc								
Heater, (delete)								
Radio, push button								
Radio, AM-FM push button								
Seat, 4-way power								
Steering, power								
Transmission, Powerglide								
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# AMA Specifications—Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

MANUFACTURER Chevrolet Motor Division General Motors Corporation	CAR NAME <b>CHEVELLE</b>	
MAILING ADDRESS Chevrolet Engineering Center 30003 Van Dyke, Warren, Michigan 48090	MODEL YEAR 1967	ISSUED: 10-7-66 REVISED (*)

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

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	230 Cu. In. L6-140 HP Standard	250 Cu. In. L6-155 HP Optional (L22)	283 Cu. In. V8-195 HP Standard
<b>CHEVELLE 300</b>			
2-Door Sedan, 6-Pass.	13111		13211
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## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>**GENERAL SPECIFICATIONS—DIMENSIONS**(All dimensions in inches unless otherwise indicated)  
(Supplemental data available on request)

MODEL	SAE Ref. No.	SEDANS		SPORT	SPORT	CONV.	WAGON	PICKUP
		2-Dr.	4-Dr.	SEDAN	COUPE			

**FRONT COMPARTMENT**

Shoulder room	W3	58.8					
Hip room	W5	59.9					
Max. eff. leg room - accelerator	L34	41.9					
Effective head room	H61	38.5	38.6	37.7	38.2		
H. Point to Heel point	H30	8.2	7.7	8.2			

**REAR COMPARTMENT**

Shoulder room	W4	57.4	58.7	57.0	45.6	58.8	---
Hip room	W6	58.7	59.9	58.6	48.6	59.9	---
Minimum effective leg room	L51	35.8	36.0	35.7	33.1	36.0	---
Effective head room	H63	37.3	37.2	36.3	36.5	38.4	---

**LUGGAGE COMPARTMENT**

Usable luggage capacity	V1	17.1						--
Liftover height	H195	28.9						--
Position of spare tire storage		Horizontal, Trunk Floor						(a) (b)
Method of holding lid open		Torsion Bars						--

**STATION WAGON—THIRD SEAT** NONE

Hip room	W86	--					
Effective leg room	L86	--					
Effective head room	H86	--					
Seat facing direction		--					

**STATION WAGON—CARGO SPACE**

MODEL	SAE Ref. No.	133-134-135-137-13835
Minimum distance between wheel houses at floor level	W201	42.4
Rear end opening width at belt	W204	52.5
Floor length from back of front seat at floor level to inside of closed tail gate	L202	92.1
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	80.8
Maximum height - floor covering to headlining at centerline of rear axle	H201	31.3
Maximum height of rear opening - tail and lift gates open	H202	28.5
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	86.0

(a) Right rear quarter

(b) Back front seat

# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED (9)	
			13100-300-500-13735				13200-400-600-13835
MODEL	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)				283 Cu.In. V-8 Standard	

## ENGINE—GENERAL

Type, no. cyls., valve arr.	In-Line 6 OHV		90° OHV V-8
Bore and stroke (nominal)	3.875 x 3.25	3.875 x 3.53	3.875 x 3.00
Piston displacement, cu. in.	230	250	283
Bore spacing (C/L to C/L)	4.4		
No. system (front to rear)	L. Bank	1-2-3-4-5-6 (In-Line)	
	R. Bank	1-3-5-7	
Firing order	1-5-3-6-2-4		2-4-6-8
Compres. ratio (nominal)	8.5:1		1-8-4-3-6-5-7-2
Cylinder Head Material	Cast alloy iron		
Cylinder Block Material	Cast alloy iron		
Cylinder Sleeve-Wet, dry, none	None		
Number of mounting points	Front	Two	
	Rear	One	
Engine installation angle	4°37'		4°46'
Taxable horsepower	2.5	36.0	48.0
Publishing max. bhp* @ eng. RPM	140@4400	155@4200	195@4600
Publishing max. torque* (lb. ft. @ RPM)	220@1600	235@1600	285@2400
Recommended fuel regular - premium	Regular		
Idle speed (spec. neutral or drive)	Manual	500 in Neutral	
	Automatic	500 in Drive	

## ENGINE—PISTONS

Material	Cast aluminum alloy		
Description and finish	Flat head, notched slipper skirt		
Weight (piston only) oz.	20.32	24.16	20.32
Clearance (limits)	Top land	.0345 - .0435	
	Skirt	Top	.0005 - .0011 (a)
Ring groove depth	No. 1 ring	.2153 - .2218	
	No. 2 ring	.2153 - .2218	
	No. 3 ring	.2093 - .2158	
	No. 4 ring	.2093 - .2158	

\*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) Measured 2.44 from top of piston.



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>

## POWER TEAMS

(Indicate whether standard or optional)

"A" "B" "C" "D"

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO** (Std. first) (Indicate A/C ratio)									
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		"A"	"B"	"C"	"D"						
13100 13300 13500 13735	230 (Std)	1-Bbl Down- draft	8.5:1	140 @ 4400	220 @ 1600	All Models 3-Spd (2.85:1 low) HD3-Spd(2.86:1)* Overdrive*	3:36	3.08	3.55	3.70						
						Sedans & Coupes Powerglide* Air Injection	3.08	----	3.36	3.70						
						Sta. Wgn. & Pickup Powerglide *	3.36	3.08	3.55	3.70						
						All Models-Air/C* All T.excpt O/D Overdrive *	3.36	----	3.55	3.70						
						3.70	----	----	----							
						13100 13300 13500 13735	250 (Opt)	1Bbl Down- Draft	8.5:1	155 @ 4200	235 @ 1600	All Models 3-Spd(2.85:1 low) HD3-Spd(2.86:1)* Overdrive*	3.08	----	3.36	3.55
												Sedans & Coupes Powerglide*	3.70	----	----	----
												Sta. Wgn. & Pickup Powerglide*	3.08	----	3.36	3.55
												3.70	----	----	----	
												All Models-Air/C* All T.excpt. O/D Overdrive *	3.36	----	3.55	3.70
3.70	----	----	----													
13200 13400 13600 13835	283 (Std)	2-Bbl Down- draft	9.25:	195 @ 4800	285 @ 2400							All Models 3-Spd(2.85:1 low) HD3-Spd(2.86:1)* 4-Spd(3.11:1 low)* Powerglide*	3.08	----	3.36	3.55
												Overdrive*	3.70	----	----	----
												All Models-Air/C* All T.excpt. O/D Overdrive *	3.36	----	3.55	3.70
												3.70	----	----	----	

\* - Optional

\*\* - Also available in post-traction for combinations shown

A - Standard

B - Economy, optional

C - Performance, optional

D - Special, optional

# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b> CHEVELLE	<b>MODEL YEAR</b> 1967	<b>DATE ISSUED</b> 10-7-66 <b>REVISED</b> (2)	
	13100-300-500-13735	13200-400-600-13835	
<b>MODEL</b>	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

## ENGINE—RINGS

<b>Function</b> (top to bottom)	No. 1, oil or comp.	Compression		
	No. 2, oil or comp.	Compression		
	No. 3, oil or comp.	Oil		
	No. 4, oil or comp.	None		
<b>Compression</b>	Description - material, coating, etc.	Cast alloy iron; inside bevel, tapered face; no bevel with barrel face on 250 cu. in. upper Flash chrome plate - upper; Wear resistant coating - lower		
	Width	(a)	(b)	(a)
	Gap	.010-.020		
<b>Oil</b>	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails - steel, chrome plated OD; Expander-stainless steel		
	Width	.1870-.1890 (assembled)		
	Gap	.015-.055		
<b>Expanders</b>		In oil ring assembly		

## ENGINE—PISTON PINS

<b>Material</b>	Chromium Steel			
<b>Length</b>	2.990-3.010			
<b>Diameter</b>	.9270-.9273			
<b>Type</b>	Locked in rod, in piston, floating, etc.	Locked in rod		
	Bushing	In rod or piston	None	
		Material	None	
<b>Clearance</b>	In piston	.00015-.00025		
	In rod	None		
<b>Direction &amp; amount offset in piston</b>		Major thrust side .060		

## ENGINE—CONNECTING RODS

<b>Material</b>	Drop forged steel		
<b>Weight (oz.)</b>	12.50	14.56	
<b>Length (center to center)</b>	5.699-5.701		
<b>Bearing</b>	Material & Type	Copper lead alloy or sintered copper nickel backed babbitt on steel	
	Overall length	.807	
	Clearance (limits)	.0007-.0027	
	End play	.009-.013	

(a) .0775-.0780 upper; .0770-.0780 lower  
 (b) .0623-.0628 upper; .0623-.0633 lower

## AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED	1-27-67
			13100-300-500-13735				13200-400-600-13895
MODEL			230 Cu.In. L-6 Standard		250 Cu.In. L-6 Optional (L22)		283 Cu.In. V-8 Standard

**ENGINE—CRANKSHAFT**

Material	Cast nodular iron			
Vibration damper type	Rubber mounted inertia			
End thrust taken by bearing (No.)	7		5	
Crankshaft end play	.002-.006			
Main bearing	Material & type	Steel back insert of selected bearing material - copper lead alloy or premium aluminum - for intended engine operation and application		
	Clearance	.0003-.0029, No. 5 on 283 V-8 is .0008-.0034		
	Journal dia. and bearing overall length	No. 1	2.3004 x .752	2.3003 x .752
		No. 2	2.3004 x .752	2.3004 x .752
		No. 3	2.3004 x .752	2.3004 x .752
		No. 4	2.3004 x .752	2.3004 x .752
		No. 5	2.3004 x .752	2.3009 x 1.177
No. 6		2.3004 x .752	None	
Dir. & amt. cyl. offset	None		None	
Crankpin journal diameter	1.999-2.000			

**ENGINE—CAMSHAFT**

Location	Above and to right of Crk/Shft		In block above Crk/Shft	
Material	Cast alloy iron			
Bearings	Material	Steel backed babbitt		
	Number	4	5	
Type of Drive	Gear or chain	Gear	Chain	
	Crankshaft gear or sprocket material	Steel	Steel Sprocket	
	Camshaft gear or sprocket material	Bakelite and fabric composition with steel hub	Cast alloy iron	
	Timing chain	No. of links	None	• 46
		Width	None	• .740
Pitch		None	.560	

**ENGINE—VALVE SYSTEM**

Hydraulic lifters (Std, opt, NA)	Standard	
Valve rotator, type (Intake, exhaust)	None	
Rocker ratio	1.75:1	1.50:1
Operating tappet clearance (Indicate hot or cold)	Intake	None
	Exhaust	None
Timing marks on flywheel, damper, other	Torsional damper	

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED (a)	
			13100-300-500-13735				13200-400-600-13835
MODEL			230 Cu.In. L-6 Standard		250 Cu.In. L-6 Optional (L22)		283 Cu.In. V-8 Standard

## ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	62°	38°	
		Closes (°ABC)	94°	92°	
		Duration - deg.	336°	310°	
	Exhaust	Opens (°BBC)	92°30'	88°	
		Closes (°ATC)	63°30'	52°	
		Duration - deg.	336°	320°	
Valve opening overlap		125°30'	90°		
Intake	Material		Alloy Steel		
	Overall length		4.902-4.922		
	Actual overall head dia.		1.715-1.725		
	Angle of seat & face		46° (seat) 45° (face)		
	Seat insert material		None		
	Stem diameter		.3410-.3417		
	Stem to guide clearance		.0010-.0027		
	Lift (@ zero lash)		.3880	.3900	
	Outer spring press. and length	Valve closed (lb. @ in.)	56-64@1.66	76-84@1.70	
		Valve open (lb. @ in.)	180-192@1.27		194-206@1.25
	Inner spring press. and length	Valve closed (lb. @ in.)	None		Spring Damper
		Valve open (lb. @ in.)	None		Spring Damper
	Exhaust	Material		High alloy steel	
		Overall length		4.913-4.933	
Actual overall head dia.		1.495-1.505			
Angle of seat & face		46° (seat) 45° (face)			
Seat insert material		None			
Stem diameter		.3410-.3417			
Stem to guide clearance		.0010-.0027			
Lift (@ zero lash)		.3880	.4100		
Outer spring press. and length		Valve closed (lb. @ in.)	56-64@1.66	76-84@1.70	
		Valve open (lb. @ in.)	180-192@1.27		194-206@1.25
Inner spring press. and length		Valve closed (lb. @ in.)	None		Spring Damper
		Valve open (lb. @ in.)	None		Spring Damper

## 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	Nozzle (a)
	Cylinder walls	Conn. rod bearing throw off Pressure jet cross spr

(a) Centrifugally oiled from camshaft bearings. (Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR <u>CHEVELLE</u>	MODEL YEAR <u>1967</u>	DATE ISSUED <u>10-7-66</u> REVISED <sup>(a)</sup>
	13100-300-500-13735	13200-400-600-138
MODEL	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)
		238 Cu.In. V-8 Standard

## ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear	
Normal oil pressure (lb. @ engine rpm)	30-45 PSI @ 1500 RPM	
Oil pressure sending unit (elect. or mech.)	Electric	
Type oil intake (floating, stationary)	Stationary	
Oil filter system (full flow, partial, other)	Full-Flow	
Filter replacement (element, complete)	Complete	Element
Capacity of crankcase, less filter-refill (qt.)	4	
Oil grade recommended (SAE viscosity and temperature range)	32° and above - SAE 20W, or SAE 10W-30 0°F to 32°F* - SAE 10W, or SAE 10W-30 Below 0°F - SAE 5W, or SAE 5W-20 *(SAE 5W-30 may be used at temperatures below freezing)	
Engine Service Requirement (MM, MS, etc.)	MS or DG	

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with Crossover
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow	
Exhaust pipe dia. (O.D., wall thickness)	Branch	2.00x.084-.104 (a)
	Main	2.00x.057-.071
Tail pipe diameter (O.D. & wall thickness)	1.875 x .062 - .076	

## ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system	
	Optional		
Control Unit	Make and model		
	Location	Top rear of rocker cover	Rear of carburetor
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable orifice	
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold	
	Air inlet (breather cap, carburetor air cleaner, other)	Breather cap	
	Flame arrester (screen, check valve, other)	Check Valve	

(a) Laminated

# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b>	CHEVELLE	<b>MODEL YEAR</b>	1967
		<b>DATE ISSUED</b>	10-7-66
		<b>REVISED</b>	(*)
		13100-300-500-13735	
		13200-400-600-13835	
<b>MODEL</b>	230 Cu.In. L-6	250 Cu.In. L-6	283 Cu.In. V-8
	Mn'l Tr.   P/G Tr.	Mn'l Tr.   P/G Tr.	Mn'l Tr.   P/G Tr.

## ENGINE—EXHAUST EMISSION CONTROL

<b>Type (Air injection, engine modifications, other)</b>		Air injection						
<b>Air Injection Pump</b>	Type	Semi-articulated vane type						
	Displacement	19.3 cu. in.						
	Drive ratio	1.25:1						
	Drive type	Crankshaft pulley						
	Relief valve (type)	Pressure (plate type)						
	Filter (describe)	None (clean air drawn from air cleaner)						
<b>Air Injection System</b>	Air distribution (head, manifold, etc.)	Head			Manifold			
	Point of entry	Exhaust Ports						
	Injection tube I.D.	.2565						
	Check valve type	Pressure (plate type)						
	Backfire protection (type)	Vacuum actuated anti-backfire valve						
<b>Carburetor</b>	Make	Carter			Rochester			
	Model	3905975	3905976	3905975	3905976	7037101*	7037110*	
	Barrel size	1.56			1.44			
	Idle speed	Drive	--	500	--	500	--	600
	Neutral	700	--	700	--	700	--	
<b>Distributor</b>	Aux. Adv. Systems (type)	None						
	Make	Delco-Remy						
	Model	1110387			1110351			
	Cent'fgal adv. in crank degrees @ eng. rpm.	Start (rpm)	950			900		
		Intermed. points deg. @ rpm	17@2100			15@1600		
		Max. deg.@rpm.	26@4000			30@4100		
	Vacuum adv. in. crank degrees @ eng. rpm	Start (in Hg)	6			8		
Intermed. points deg. @ in. Hg		None						
Max. deg. @ in.		21@14.5			15.5			
	Vacuum Source	Carburetor						
<b>Timing - Crank degrees @ rpm</b>		4 BTDC @ Idle (a)		4 BTDC @ Idle (a)		TDC @ Idle 4BTDC@Idle (a)		
<b>Cooling System (describe changes)</b>		195° Thermostat on 283 Cu. In.						
<b>Exhaust System (describe changes)</b>		None						

\* With Air Conditioning 7037103 - Manual Trans  
7037122 - Automatic Trans

a) 6°-11° BTDC when premium fuel is used with automatic transmission

# AMA Specifications—Passenger Car

KEY OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED	1-27-67
			13100-300-500-13735				13200-400-600-13835
MODEL		230 Cu.In. L-6 Standard		250 Cu.In. L-6 Optional (L22)		283 Cu.In. V-8 Standard	

## ENGINE—FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.

		Carburetor
Fuel Tank	Refill capacity (gals.)	20 (Approximately)
	Filler location	Behind hinged rear license plate (a)
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Right side front of engine
	Pressure range	3.50-4.50 PSI   5.00-6.50 PSI
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	Metal mesh strainer in gasoline tank
	Locations	and sintered bronze filter in carburetor inlet
Carburetor	Choke type	Automatic
	Intake manifold heat control (exhaust or water)	Exhaust
	Air cleaner type	Oil-wetted paper
		Standard
		Optional

## CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
13100	230	3-Speed Powerglide	Rochester	7027003	One; single barrel down-draft	1.56
13300			Rochester	7025000		
13500	250	3-Speed Powerglide	Rochester	7026027	One; single barrel down-draft	1.56
13735			Rochester	7026028		
13200	283	3-Speed & 4-Speed Powerglide	Rochester	7027101(b)	One; Two barrel down draft	1.44
13400			Rochester	•7027114(c)		
13600						
13835						
			Air Conditioning	(b) 7027108 •(c) 7027116		

(a) Left rear quarter panel on Station Wagons & Pickups

# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED	1-27-67
		13100-300-500-13735		13200-400-600-13835			
MODEL	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (122)	283 Cu.In. V-8 Standard				

## ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		15 + 1 PSI	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at. (°F)	192°-198°	177°-183°
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	60@4400	54@4400
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
	Bearing type	Permanently lubricated double row ball	
By-pass recirculation type (internal, external)		Internal	
Radiator core type (cellular, tube and fin, other)		Tube on Center	
Cooling system capacity	With heater (qt.) ●	11	16
	Without heater (qt.) ●	10	15
	Opt. equipment-specify (qt.) ●	12	17
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		4 staggered
	Diameter		17.62
	Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		None
	Bearing type		Double row ball
*Drive belts (indicate belt used by letter)	Fan	A	D
	Generator or alternator	A	D
	Water Pump	A	D
	Power Steering	B	E
	Air Conditioning	C	F

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V					38°	-42°					
Nominal length (SAE)	39.00	49.50	54.75	53.50	41.20	57.50					
Width					.380	+.005					



# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED	11-27-67
		13100-300-500-13735				13200-400-600-13835	
MODEL	230 Cu. In. L-6		250 Cu. In. L-6		283 Cu. In. V-8		
	Standard		Optional (L22)		Standard		

## ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco #1980032	
	Voltage Rtg. & Total Plates		12 Volts - 54 Plates	
	SAE Designation & Amp Hr. Rtg.		45 Amp/Hr. @ 20 Hr. rate	
	Location		Right side front engine compartment	
Terminal grounded		Negative		
Generator or Alternator	Make		Delco-Remy	
	Model		#1100693	
	Type and rating		Diode rectified (37 Amp)	
	Output at engine idle (neutral)		13 Amps	
	Ratio—Gen. to Cr/s rev.		2.46:1	
Regulator	Make		Delco-Remy	
	Model		#1119515	
	Type		Vibrator	
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open	None	
	Regulated	Voltage	13.8-14.8 @ 85°F	
		Current	None	
	Voltage test conditions	Temperature	Operating	
Load		3-8 Amps		
Other		None		

## ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco-Remy	
	Model		• 1107399	1107496
	Rotation (drive end view)		Clockwise	
	Engine cranking speed			
	Test conditions		Engine at operating temperatures	
	No load test	Amps	58-87	
Volts		10.6		
RPM (min)		8450-10700		
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		<p>3-Spd &amp; 4-Spd—Place gear shift level in neutral, depress clutch to floor.</p> <p>Powerglide -Place control lever in N or P position</p> <p>Initial Start—Depress accelerator pedal to floor then release. Turn ignition to START and release as soon as engine starts.</p>	

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED 10-27-67  
 MODEL 13100-300-500-13735 | 13200-400-600-13835  
230 Cu. In. L-6 | 250 Cu. In. L-6 | 283 Cu. In. V-8  
Standard | (Optional (L22)) | Standard

## ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type			Positive shift solenoid		
	Pinion meshes (front, rear)			Rear		
	Number of teeth	Pinion		9		
		Flywheel	Manual	153		
	Auto.		153			
Flywheel tooth face width		Manual	.4010-.4130			
		Auto.	.4010-.4130			

## ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.			Not Available		
	Make			Delco-Remy		
	Model			#1115208		#1115267
	Amps	Engine stopped		4.0		
Engine idling		1.8				
Distributor	Make			Delco-Remy		
	Model			1110362	1110351	1111150
	Cent'gal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)		900	900	900
		Intermediate points deg. @ rpm.		10 @ 1200	15 @ 1600	15 @ 2000
		Max. deg. @ rpm.		30 @ 3200	28 @ 2800	28 @ 4200
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)		6		8
		Intermediate points, deg. @ in. Hg.		None		
		Max. deg. in. Hg.		21 @ 14.5		15 @ 15.5
	Breaker gap (in.)			.019		
	Cam angle (deg.)			31°-34°		28°-32°
Breaker arm tension (oz.)			19-23 oz			
Timing	Crankshaft deg. @ rpm.			Torsional Damper		
	Mark location			AC Spark Plug		
Spark Plug	Make			AC Spark Plug		
	Model			AC 46N (long reach)		AC 45
	Thread (mm)			14		
	Tightening torque (lb. ft.)			25		
	Gap			.033-.038		
Cable	Conductor type			Linen core impregnated with conducting material		
	Insulation type			Rubber with neoprene jacket		
	Spark plug protector			Neoprene		

# AMA Specifications—Passenger Car

<b>MAKE OF CAR</b>	CHEVELLE	<b>MODEL YEAR</b>	1967	<b>DATE ISSUED</b>	10-7-66	<b>REVISED</b>	01-27-67
<b>MODEL</b>	230 Cu.In. L-6 Standard	13100-300-500-13735	250 Cu.In. L-6 Optional (L22)	13200-400-600-13835	283 Cu.In. V-8 Standard		

## ELECTRICAL—SUPPRESSION

Locations & type	Non-metallic high tension ignition cables
------------------	---

## ELECTRICAL—INSTRUMENTS AND EQUIPMENT

Speedometer	Make	AC
	Trip odometer (yes, no)	NA
Charge Indicator—type		Tell-Tale
Temperature Indicator—type		Tell-Tale
Oil pressure indicator—type		Tell-Tale
Fuel indicator—type		Electric gage
Other		None
Windshield	Make	Delco
	Type—Standard	Electric, Two-speed
	Type—Optional	None
	Vacuum booster provision	None
	Washer provision	Pushbutton—Standard
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each) ●	(a) (Low note) 4.5-6.5 @ 12.5V (Hi note) 4.2-6.2 @ 12.5V

## DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	230 Cu. In.	250 Cu. In.	283 Cu. In. V-8	
	3-Speed	3-Spd H.D.	3-Speed	
Type pressure plate springs	Single dry disc	Diaphragm	Diaphragm-bent Finger design	
Total spring load (lb.)	1650-1850	1900-2200	1650-1850	
No. of clutch driven discs	1750-2000	2100-2300	1700-1950	
Clutch facing	Material	See below		
	Outside & inside dia.	9.12&6.12	10.0&6.0	9.12&6.12
	Total eff. area (sq. in.)	71.8	100.5	71.8
	Thickness	.135 each		
Engagement cushioning method	Flat spring steel between facings			
Release bearing	Type & method of lubrication	Single row ball, packed and sealed		
Torsional damping	Methods: springs, friction material	Coil springs		

Woven type asbestos on all 3-Speed transmissions (molded asbestos on rear face of HD 230 Cu.In. engine); Premium-grade woven asbestos on 4-speed transmission.  
 (a) 131-13200 Models (Low note) 4.5-6.5 @ 12.5V.

## AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED <sup>(2)</sup>
MODEL		230 Cu.In. L-6 Standard	13100-300-500-13735	250 Cu.In. L-6 Optional (L22)		13200-400-600-138 283 Cu.In. V-8 Standard

**DRIVE UNITS—TRANSMISSIONS**

Manual 3-speed (std. or opt.)	Standard; - Heavy Duty 3-Speed optional
Manual 4-speed (std. or opt.)	4-Speed optional with V-8 engines only
Manual with overdrive (std. or opt.)	Optional
Automatic (std. or opt.)	Powerglide - optional

**DRIVE UNITS—MANUAL TRANSMISSION**

Number of forward speeds		3-Speed	Heavy Duty 3-Spd	4-Speed	
		3	3	4	
Transmission ratios	In first	2.85:1	2.86:1	3.11:1	
	In second	1.68:1	1.72:1	2.20:1	
	In third	1.00:1	1.00:1	1.47:1	
	In fourth	--	--	1.00:1	
	In reverse	2.95:1	2.86:1	3.11:1	
Synchronous meshing, specify gears		All forward gears			
Shift lever location		Steering column	Floor mounted		
Lubricant	Capacity (pt.)	3			
	Type recommended	Military Spec. MIL-L-2105B			
	SAE viscosity number	Summer	SAE 80		
		Winter	SAE 80		
Extreme cold		SAE 80			

**DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE**

For transmission data see manual transmission section

Type (planetary or other)		Planetary
Manual lockout (yes, no)		Yes
Downshift accelerator control (yes, no)		Yes
Minimum cut-in speed		Output shaft RPM; acceleration 1440; deceleration 1100
Gear ratio		0.7:1
Lubricant	Capacity (pt.) (Overdrive only)	1
	Separate filler (yes, no)	No
	Type recommended	Meeting Military Spec MIL-L-2105B
	SAE viscosity number	Summer
Winter		SAE 80
Extreme cold		SAE 80

# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVILLE	MODEL YEAR	1967	DATE ISSUED	10-7-66	REVISED (*)
		13100-300-500-13735			13200-400-600-13835	
MODEL		230 Cu. In. L-6 Standard	250 Cu. In. L-6 Optional (L22)	283 Cu. In. V-8 Standard		

## DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide	
Type describe	Torque converter with planetary gears	
Method of Selection (Lever, Push Button or other)	Lever on steering column; floor mounted when used with bucket seats and console	
Selector Pattern	P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position	Drive 1.82 to 1.0 Low & Reverse - 1.82	
Max. upshift speeds—drive range	59	61
Max. kickdown speeds—drive range	55	59
Torque converter	Number of elements	3
	Max. ratio at stall	2.10
	Type of cooling (air, liquid)	Water
Lubricant	Capacity—refill (pt.)	6
	Type recommended	A suffix A
Special transmission features		

## DRIVE UNITS—PROPELLER SHAFT

Number used	One	
Type (exposed, torque tube)	Exposed, unsupported	
Outer diameter x length* x wall thickness	Manual 3-speed transmission	3.25 x 60.13 x .065
	Manual 4-speed transmission	N.A. <span style="float: right;">3.25 x 60.13 x .065</span>
	Overdrive transmission	3.25 x 60.13 x .065
	Automatic transmission	3.25 x 60.13 x .065

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

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED 1-27-67

MODEL

13100-300-500-700

13200-400-600-800

## DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Universal joints	Make	Chevrolet
	Number used	Two
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

## DRIVE UNITS—REAR AXLE

Description	Semi-floating, overhung pinion gear		
Limited Slip differential, type	Dual disc clutches		
Drive Pinion Offset	1.50		
No. of differential pinions	Two		
Ring gear O.D. (std. ratio)	8.125		
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Single row cylindrical		
Lubricant	Capacity (pt.)	3.5	
	Type recommended	Military Spec. MIL-L-2105-B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
Extreme cold.		SAE 80	

## REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		3.08	3.36	3.70	•	3.55	2.73
No. of teeth	Pinion	12	11	10		11	15
	Ring gear	37	37	37		39	41

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>1-27-67

MODEL 1000-300-500-700  
13200-400-600-800

## DRIVE UNITS—WHEELS

Type & material		Short spoke disc	
Rim (size and flange type)	Std.	14 x 5J;	
	Opt.	14 x 6	
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	7.35 x 14	Wagons 7.75 x 14
	Type - Nylon, etc.	Original equipment	
Rev/mile at 50 mph.		803	779
Inflation press. (cold)	Front	26 Coupes, Sedans & Conv.; 22 St. Wags.; 24 Pickup	
	Rear	26 Coupes, Sedans & Conv.; 30 St. Wags.; 30 Pickup	
Optional tires - size and ply		7.75 x 14 F70 x 14	

## BRAKES—SERVICE

		STANDARD	METALLIC (OPT)	FRT DISC (OPT)
Type (duo-servo, disc, balanced, etc.)		Duo-Servo 4-wheel hydraulic		Disc
Self adjusting (std., opt., N.A.)		Standard		
Hydraulic system type (single, dual, etc.)		Dual		
Power brake make & type (remote, integral, etc.)		Bendix, Delco-Moraine vacuum power unit assists master cylinder, integral		
Effective area (sq. in.) *		168.9	118.1	114.0
Gross lining area (sq. in.) **		168.9	118.1	118.1
Swept drum area (sq. in.) ***		268.6		332.4
Percent brake effectiveness—front		59.4		58.5
Drum or Rotor	Diameter	Front	9.5	
		Rear	9.5	
	Type and material	Composite; Cast iron rim; steel web		Cast iron
	Rotor (vented or solid)	---		Vented
No. pistons per caliper		---		4
Wheel cylinder bore	Front	1.125		2.0625
	Rear	---		---
Master cylinder bore		1.00	.9375	1.125
Available pedal travel		7.00		5.00
Line pressure at 100 lb. pedal load		786	1026	---
Shoe clearance adjustment		Self-adjusting		

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

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

\*\*\* Total swept area for four brakes:  
Widest lining contact width for each brake x its drum circumference.

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED 11-27-67

MODEL \_\_\_\_\_ 13100-300-500-700  
 \_\_\_\_\_ 13200-400-600-800

BRAKES—SERVICE (cont.)				STANDARD	• METALLIC (OPT)	• FRT DISC (OPT)
Brake lining	Drum or Disc			Drum		Disc
	Bonded or riveted			Bonded	Welded	Riveted
	Front Wheel	Material		Molded Asbestos	Sintered iron	Molded Asbestos
		Size (length x width x thickness)	Prim. or out-board	9.01x2.5x.17	1.64 x 2.50 x .150	5.96x2.21x.41
			Second. or in-board	9.75x2.5x.20	1.64 x 2.50 x .265	5.96x2.21x.41
		Segments per shoe		One	3 Pri 5 Sec	One
	Rear Wheel	Material		Molded Asbestos	Sintered iron	Molded asbestos
		Size (length x width x thickness)	Prim. or out-board	9.01x2.0x.17	1.64 x 2.00 x .150	9.01 x 2.00 x .17
			Second. or in-board	9.75x2.0x.20	1.64 x 2.00 x .265	9.75 x 2.00 x .20
		Segments per shoe		One	3 Pri 5 Sec	One

## BRAKES—PARKING

Type of control	Pulley cable linkage; foot pedal apply, handle release	
Location of control	Below instrument panel, left of steering column	
Operates on	Rear service brakes	
If separate from service brakes	Type (internal or external)	---
	Drum diameter	---
	Lining size (length x width x thickness)	---

## FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	All welded perimeter frame with front crossmember; rear suspension cross member and rear crossmember.
---	---

## STEERING

Manual (std., opt., NA)		Standard - energy absorbing steering column	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: tilt achieved with universally-jointed steering shaft at base of steering wheel; 5 inch vertical travel range.	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	16.5	
	Power	16.5	
Turning diameter	Outside front	Wall to wall (l. & r.)	43.1
		Curb to curb (l. & r.)	40.3
	Inside rear	Wall to wall (l. & r.)	24.1
		Curb to curb (l. & r.)	24.7
Outside wheel angle with inside wheel at 20°		18.4	
Manual	Gear	Type	Semi-reversible, recirculating ball nut
		Make	Saginaw
		Ratios	24:1
	No. wheel turns	Overall	28:1
		5.48 lock to lock	



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>  
 MODEL 13100-300-500-700  
13200-400-600-800

## STEERING (cont.)

Power	Type (coaxial, linkage, etc.)		Coaxial
	Make		Saginaw
	Gear	Type	Same as manual
		Ratios	17.5:1
	Gear Overall		20.4:1
	Pump driven by		Crankshaft pulley
Number wheel turns		3.98	
Linkage	Type		Parallelogram
	Location (front or rear of wheels, other)		Front of wheels
	Drag link (trans. or longit.)		None
	Tie-rods (one or two)		Two
Steering Axis	Inclination at camber (deg.)		7-3/4 to 8-3/4
	Bearings (type)	Upper	Ball stud with non-metallic bearing surfaces
		Lower	Ball stud with non-metallic bearing surfaces
		Thrust	None
Wheel Alignment (range at curb weight and preferred)	Caster (deg.)		N 1-1/2 to N 1/2; Pickup N 1 to 0
	Camber (deg.)		0 to P 1
	Toe-in (outside track inches)		1/8 to 1/4
Steering spindle & joint type			Forging with pad for mounting brake cylinder, spherical
Wheel spindle	Diameter	Inner bearing	1.2493-1.2498
		Outer bearing	.7493-.7498
	Thread size		3/4-20 NEF-3 (Modified)
	Bearing type		Taper roller

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(9)</sup>MODEL 13100-300-500-700 13200-400-600-800  
L6 230 Cu.In. & 250 Cu.In. V-8 283 Cu.In.**SUSPENSION—GENERAL**

(See Supplemental page for details on Air Suspension)\*

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for ecc. squat control	Geometry of rear suspension	
Special provisions for car jacking	Bumper jack applied outboard of bumper bolt	
Shock absorber front & rear	Type	Direct double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		

**SUSPENSION—FRONT**

Type and description	Independent - SLA type with coil spring and concentric shock absorber, and spherically jointed steering knuckle for each wheel.		
Spring	Type	Coil	
	Material	Steel alloy	
	Size (coil design height & I.D.; bar length x dia.)	12.59 x 3.63; 120.8 x .574	12.59 x 3.63; 134.6 x .594
	Spring rate (lb. per in.)	250	
	Rate at wheel (lb. per in.)	97	
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	HR steel .812	

**SUSPENSION—REAR**

Type and description	Linked; salisbury axle fixed by control arms			
Drive and torque taken through	Control Arms			
Spring	Type	Coil		
	Material	Steel Alloy		
	Size (length x width, coil design height & I.D.; bar length & dia.)	9.00 x 5.50 10 3 x .522	9.00 x 5.50 105.9 x .525	
	Spring rate (lb. per in.)	100	100	
	Rate at wheel (lb. per in.)	92	92	
	Mounting insulation type	Natural Rubber		
	If leaf	No. of leaves	---	
	Shackle (comp. or tens)	---		
Stabilizer	Type (link, linkless, frameless)	None		
	Material	---		
Track bar type	None			

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>

MODEL SEDANS  
 2-Dr. 4-Dr. Coupes Conv. Wagons Pickups

## BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front				
	Rear doors	Front				
Type of finish (lacquer, enamel, other)		Acrylic lacquer				
Hood counterbalanced (yes, no)		Yes				
Hood release control (internal, external)		External				
Vehicle Ident. No. location		Left front body hinge pillar				
Engine No. location		6-Cyl. on crankcase R.H. side of engine, rear of distributor 8-Cyl. on top front of R.H. bank of cylinder and case				
Theft protection - type		Shielded ignition lock terminals key removable in "OFF" position				
Vent window control method (crank, friction pivot)	Front	Friction pivot				
	Rear	None				
Seat cushion type	Front	Formed wire and foam pad				
	Rear	Formed wire and cotton				
	3rd seat	None				
Seat back type	Front	Formed wire and foam pad				
	Rear	Formed wire and cotton				
	3rd seat	None				
Windshield glass type (i.e., single curved - laminated plate)		Curved, laminated				
Side glass type (i.e., curved - tempered plate)		Curved				
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved	Plastic	Flat	Curved	
Windshield glass exposed surface area		1107.1	1144.2		1107.1	
Side glass exposed surface area		1353.6	1278.0(a)	1272.2	1208.6	2498.6 839.2
Backlight glass exposed surface area		935.1(a)		728.9	833.8	768.4 665.2
Total glass exposed surface area		3395.8	3320.2	3145.3	3186.6	4374.1 2611.5

## LAMP HEIGHT AND SPACING

Height above ground to center of bulb	Headlamp	Highest *	25.7	26.0	26.2	26.4
		Lowest	25.7	26.0	26.2	26.4
	Tail	Highest	23.8	24.2		26.7
		Lowest	---			
Distance from C/L of car to center of bulb	Headlamp	Inside	20.9			
		Outside *	28.4			
	Tail	Inside	27.9			
		Outside	---			
	Directional	Front	27.2			
		Rear	27.9			

\* If single headlamps are used enter here.

(a) Sport sedan back window 812.8; side 1432.8; total 3352.7

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>MODEL \_\_\_\_\_  
13100-300-500-700  
13200-400-600-800**CONVENIENCE EQUIPMENT**

(Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	NA models 131-132-133-13400 -- Optional all other models
	Vent Windows	NA
	Backlight or tailgate	Optional
Power seats (specify type as well as availability)		Optional - 4-way electric control
Reclining front seat back		NA
Front seat headrest		Optional
Radios (specify type as well as availability)		Optional-AM-Manual, AM-Push-button, AM-FM-Push-button
Rear seat speaker		Optional
Power Antenna		NA
Clock		Optional 131-132-133-13400 -- Standard all other models
Air Conditioner (specify type and availability)		Optional - Four season and custom (recirculating)
Speed warning device		Optional
Speed control device		Optional
Ignition lock lamp		NA
Back up lamp		Standard
Dome lamp		Standard
Glove compartment lamp		Optional 131-132-133-13400 -- Standard all other models
Prkg. brake signal lamp		Optional
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Standard 13567-667-867 -- Optional all other models
Map lamp		NA
Auto. trans. quad. lamp		Standard
Emergency flasher lamp, Four-way		Standard
Cornering light lamp		NA
Freeway lane change signal		Standard
Instrument Panel Pad		Standard
Left hand outside mirror		Standard
Padded sun shades		Standard
Brake system warning and parking brake light		Standard
Steering column energy absorbing		Standard

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED <sup>(\*)</sup>

## WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT	
	Front	Rear	Total	2 Pass. In Front		* Pass. In Rear		6-Cyl	8-Cyl
				Front	Rear	Front	Rear		
		230	283					230	283
		6-Cyl	8-Cyl					6-Cyl	8-Cyl
<b>CHEVELLE 300</b>									
131-13211 2-dr. sedan		3085	3220	32			68	2935	3070
131-13269 4-dr. sedan		3105	3240	32			68	2955	3090
<b>CHEVELLE 300 Deluxe</b>									
133-13411 2-dr. sedan		3100	3235	32			68	2955	3090
133-13435 4-dr. wagon		3385	3520	32			68	3230	3360
133-13469 4-dr. sedan		3125	3260	32			68	2980	3110
133-13480 sedan pickup		3115	3245	23			77	2960	3085
<b>MALIBU</b>									
135-13635 4-dr. wagon		3415	3550	32			68	3260	3390
135-13617 2-dr. coupe		3130	3260	39			61	2980	3115
135-13639 4-dr. sp.sedan		3200	3345	32			68	3065	3200
135-13667 2-dr. conv.		3200	3330	39			61	3050	3185
135-13669 4-dr. sedan		3145	3280	32			68	3000	3130
135-13680 sedan pickup		3130	3260	23			77	2975	3105
<b>CONCOURS</b>									
137-13835 4-dr. wagon		3425	3560	32			68	3270	3405
<b>Accessories &amp; Equipment Differential Weights</b>									
		230	283	Remarks					
		6-Cyl	8-Cyl	* - 3 Pass. in rear Sedans & Wagons;					
				300 lb. load on pickup; 2 Pass. all other					
Air conditioning		+122	+122						
Air Injection System		+19	+19						
Brakes, disc		+33	+33						
Brakes, power		+9	+9						
Heater, (delete)		-24	-24						
Radio, push button		+8	+8						
Radio, Am/Fm Pushbutton		+9	+9						
Seat, 4-way power		+20	+20						
Steering, power		+29	+32						
Transmission, powerglide		+10	+14						
Transmission, 4-speed		--	+7						
Transmission, overdrive		+27	+27						
Windows, power		+21	+21						

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1

2

3

4

5



# AMA Specifications—Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

*Handwritten signature/initials*

MANUFACTURER	Chevrolet Motor Division General Motors Corporation	CAR NAME	CHEVELLE
MAILING ADDRESS	Chevrolet Engineering Center 30003 Van Dyke, Warren, Michigan 48090	MODEL YEAR	1967
		ISSUED:	12-22-66
		REVISED (*)	

**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 standard models without optional equipment. Significant deviations are noted.
  - b. 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.

	396 Cu. In. V8-375 HP Optional (L78)
<b>CHEVELLE 300 DELUXE</b>	
2-Door Sedan Pickup, 3-Pass	13480
<b>MALIBU</b>	
2-Door Sedan Pickup, 3-Pass	13680
<b>SS 396</b>	
2-Door Sport Coupe, 4-Pass	13817
2-Door Convertible, 4-Pass	13867





## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(6)</sup>

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	13817-67-13480-13680 396 Cu. In. V-8 375 HP Opt (L78)
Wheelbase (L101)		115.0
Track	Front (W101)	58.0
	Rear (W102)	58.0
Maximum Overall Dimensions	Length (L103)	SS Models 197.0; Pickups 199.9
	Width (W103)	75.0
	Height (H101)	Sport Coupes 51.9; Convertibles 52.8; Pickups 54.6
Transmission (Specify trade name - opt., not available)	Manual - 3 speed	15 Heavy Duty - Optional
	Manual - 4 speed	15 2.52:1 low; 2.20:1 low
	Overdrive	15 NA
	Automatic	16 NA
Axle ratio	Manual - 3 speed	17 3.55:1
	Manual - 4 speed	17 3.55:1
	Overdrive	17 NA
	Automatic	17 NA
Tire size	18	SS Models F70 x 14; Pickups 7.75 x 14
Engine	Type, no. cyl., valve arr.	3 90° OHV V-8
	Fuel system (Carb., other)	10 Carburetor
	Bore and stroke	3 4.094 x 3.76
	Piston displ., cu. in.	3 396
	Std. compression ratio	3 11.0:1
	Max. bhp at engine rpm	3 375 @ 5600
	Max. torque at rpm	3 415 @ 3600

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(a)</sup>**GENERAL SPECIFICATIONS—DIMENSIONS**(All dimensions in inches unless otherwise indicated)  
(Supplemental data available on request)

MODEL	SAE Ref. No.	SPORT COUPE	CONVERTIBLE	PICKUP
-------	--------------	-------------	-------------	--------

**FRONT COMPARTMENT**

Shoulder room	W3		58.8	
Hip room	W5		59.9	
Max. eff. leg room - accelerator	L34		41.9	
Effective head room	H61	37.7		38.2
H Point to Heel point	H30		8.2	

**REAR COMPARTMENT**

Shoulder room	W4	57.0		45.6	--
Hip room	W6	58.6		48.6	--
Minimum effective leg room	L51		33.1		--
Effective head room	H63	36.3		36.5	--

**LUGGAGE COMPARTMENT**

Usable luggage capacity	V1		17.1		--
Liftover height	H195		28.9		--
Position of spare tire storage			Horizontal, Trunk Floor		(a)
Method of holding lid open			Torsion Bars		--

**STATION WAGON—THIRD SEAT NOT AVAILABLE**

Hip room	W86				--
Effective leg room	L86				--
Effective head room	H86				--
Seat facing direction					--

**STATION WAGON—CARGO SPACE NOT AVAILABLE**

MODEL	SAE Ref. No.		
Minimum distance between wheel houses at floor level	W201		--
Rear end opening width at belt	W204		--
Floor length from back of front seat at floor level to inside of closed tail gate	L202		--
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204		--
Maximum height - floor covering to headlining at centerline of rear axle	H201		--
Maximum height of rear opening - tail and lift gates open	H202		--
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2		--

(a) Back of seat.

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(\*)</sup>  
 13817-67-13480-13680  
 MODEL 396 Cu. In. V-8  
375 HP-Opt (L78)

## ENGINE—GENERAL

Type, no. cyls., valve arr.	90° OHV V-8	
Bore and stroke (nominal)	4.094 x 3.76	
Piston displacement, cu. in.	396	
Bore spacing (C/L to C/L)	4.84	
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)	11.0:1	
Cylinder Head Material	Cast alloy iron	
Cylinder Block Material	Cast alloy iron	
Cylinder Sleeve-Wet, dry, none	None	
Number of mounting points	Front	Two
	Rear	One
Engine installation angle	4° 46'	
Taxable horsepower	Dia <sup>2</sup> xNo.Cyl. 2.5	53.6
Publishing max. bhp* @ eng. RPM	375 @ 5600	
Publishing max. torque* (lb. ft. @ RPM)	415 @ 3600	
Recommended fuel regular - premium	Premium	
Idle speed(spec. neutral or drive)	Manual	550 in neutral
	Automatic	--

## ENGINE—PISTONS

Material	Aluminum impact extruded		
Description and finish	Domed head; slipper skirt		
Weight (piston only) oz.	23.12		
Clearance (limits)	Top land	.0265-.0335	
	Skirt	Top	.0036-.0042(a)
		Bottom	
Ring groove depth	No. 1 ring	.2253-.2318	
	No. 2 ring	.2253-.2318	
	No. 3 ring	.2113-.2127	
	No. 4 ring		

\*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) Measured 2.25 from top of piston

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(\*)</sup>

## POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO # (Std. first) (Indicate A/C ratio)			
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		A	B	C	D
						HD 3-Sp(2.41:1 lw) 4-Spd*(2.52:1 low)	3.55	3.31	3.73	4.10
13817	396* RPO L78	One; 4-Bbl Down- draft	11.0:1	375	415	4-Spd & 4-Spd H.D. (2.20 :1 low)	3.55	3.31	3.73	3.0
13867				@	@					3.7
13480				5600	3600					4.1
13680										4.5
									4.8	

- A - Standard
- B - Economy - optional
- C - Performance - optional
- D - Special - optional

\* - Optional

# - Positraction required for 4.10:1, 4.56:1, 4.88:1, available opt'ly for other ratios shown.

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(1)</sup>

13817-67-13480-13680

396 Cu. In. V-8  
375 HP-Opt (L78)

MODEL \_\_\_\_\_

**ENGINE—RINGS**

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - Upper material, coating, etc. Lower	No bevel, barrel face, Moly, filled groove Cast alloy iron, inside bevel, tapered face, chrome plate
	Width	.0770-.0775 upper & lower
	Gap	.010-.020
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) - Rails-steel, chrome plated OD, Expander-stainless steel
	Width	.1870-.1890 (assembled)
	Gap	.010-.030
Expanders		In oil ring assembly

**ENGINE—PISTON PINS**

Material	Chromium steel		
Length	2.930-2.950		
Diameter	.9895-.9898		
Type	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston	.00025-.00035	
	In rod	--	
Direction & amount offset in piston	On center		

**ENGINE—CONNECTING RODS**

Material	Drop forged steel	
Weight (oz.)	27.84	
Length (center to center)	6.130-6.140	
Bearing	Material & Type	Premium aluminum
	Overall length	.857
	Clearance (limits)	.0009-.0029
	End play	.016-.020

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(9)</sup>  
13817-67-183480-13680  
396 Cu. In. V-8  
375 HP-Opt (L78)

**ENGINE—CRANKSHAFT**

Material	Forged steel		
Vibration damper type	Rubber mounted inertia damper		
End thrust taken by bearing (No.)	Five		
Crankshaft end play	.006-.010		
Main bearing	Material & type	Steel, backed insert selected bearing material -- copper lead alloy or premium alum. -- for intended engine operation & applic.	
	Clearance	#1 & 2- (.0010 - .0022) #3 & 4- (.0013 - .0025) #5- (.0015 - .0020)	
	Journal dia. and bearing overall length	No. 1	2.7505 x .992
		No. 2	2.7505 x .992
		No. 3	2.7505 x .992
		No. 4	2.7505 x .992
		No. 5	2.7506 x 1.2525
No. 6	None		
No. 7	None		
Dir. & amt. cyl. offset	None		
Crankpin journal diameter	2.199 x 2.200		

**ENGINE—CAMSHAFT**

Location	In block above crankshaft		
Material	Cast alloy iron		
Bearings	Material	Steel backed babbitt	
	Number	Five	
Type of Drive	Gear or chain	Chain	
	Crankshaft gear or sprocket material	Steel sprocket	
	Camshaft gear or sprocket material	Cast aluminum sprocket	
	Timing chain	No. of links	50
		Width	.880
Pitch		.500	

**ENGINE—VALVE SYSTEM**

Hydraulic lifters (Std, opt, NA)	Not Available	
Valve rotator, type (intake, exhaust)	None	
Rocker ratio	1.70:1	
Operating tappet clearance (indicate hot or cold)	Intake	.024
	Exhaust	.028
Timing marks on flywheel, damper, other	Torsional Damper	

(Continued)

## AMA Specifications—Passenger Car.

 MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISION <sup>(6)</sup>  
 13817-67-13480-13680

 MODEL \_\_\_\_\_  
 396 Cu. In. V-8  
 375 HP-Opt (L78)
**ENGINE—VALVE SYSTEM (cont.)**

Timing	Intake	Opens (°BTC)	44°	
		Closes (°ABC)	92°	
		Duration-deg.	316°	
	Exhaust	Opens (°BBC)	86°	
		Closes (°ATC)	36°	
		Duration-deg.	302°	
Valve opening overlap		80°		
Intake	Material		Alloy steel, face & head aluminized	
	Overall length		5.204-5.224	
	Actual overall head dia.		2.185-2.195	
	Angle of seat & face		46° (seat) 45° (face)	
	Seat insert material		None	
	Stem diameter		.3715-.3722	
	Stem to guide clearance		.0010-.0027	
	Lift (@ zero lash)		.5197	
	Outer spring press. and length	Valve closed (lb. @ in.)	94-106 @ 1.88	
		Valve open (lb. @ in.)	303-327 @ 1.38	
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring Damper	
		Valve open (lb. @ in.)	Spring Damper	
	Exhaust	Material		High alloy steel, aluminized face and aluminized head
		Overall length		5.345-5.365
Actual overall head dia.		1.715-1.725		
Angle of seat & face		46° (Seat) 45° (face)		
Seat insert material		None		
Stem diameter		.3713-.3720		
Stem to guide clearance		.0010-.0027		
Lift (@ zero lash)		.5197		
Outer spring press. and length		Valve closed (lb. @ in.)	94-106 @ 1.88	
		Valve open (lb. @ in.)	303-327 @ 1.38	
Inner spring press. and length		Valve closed (lb. @ in.)	Spring Damper	
		Valve open (lb. @ in.)	Spring Damper	

**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	Centrifugally oiled from camshaft bearing
	Cylinder walls	Pressure, jet cross sprayed

(Continued)



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED (\*)  
 13817-67-13480-13680  
 MODEL 396 Cu. In. V-8  
375 HP-Opt (L78)

## ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	50-75 psi @ 2000
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Element
Capacity of crankcase, less filter-refill (qt.)	4
Oil grade recommended (SAE viscosity and temperature range)	32°F and above ----- SAE 20W, SAE 10W-30 0°F to 32°F ----- SAE 10W, or SAE 10W-30 Below 0°F ----- SAE 5W or SAE 5W-20 *(SAE 5W-30 may be used at temperatures below freezing)
Engine Service Requirement (MM, MS, etc.)	

## ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two; reverse flow
Exhaust pipe dia. (O.D., wall thickness)	2.50 x .073-.091 laminated
Tail pipe diameter (O.D. & wall thickness)	2.25 x .062-.076

## ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	--
Control Unit	Make and model	--
	Location	Rear of carburetor
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum
Complete system	Control method (variable orifice, fixed orifice, other)	Fixed Orifice
	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold
	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor Air Cleaner
	Flame arrester (screen, check valve, other)	Screen

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED (101)

MODEL

396 Cu. In. V-8

375 HP

## ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air Injection	
Air Injection Pump	Type	Semi-articulated vane type	
	Displacement	19.3 cubic inches	
	Drive ratio	1.25:1	
	Drive type	Crankshaft pulley	
	Relief valve (type)	Pressure (plate type)	
	Filter (describe)	None (clean air drawn from air cleaner)	
Air Injection System	Air distribution (head, manifold, etc.)	Manifold	
	Point of entry	Exhaust ports	
	Injection tube I.D.	.2565	
	Check valve type	Pressure (plate type)	
	Backfire protection (type)	Vacuum actuated anti-backfire valve	
Carburetor	Make	Holley	
	Model	3916145	
	Barrel size	1.561 (Pr. & Sc)	
	Idle speed	Drive Neutral	-- 750
Distributor	Aux. Adv. Systems (type)	None	
	Make	Delco Remy	
	Model	1111170	
	Cent'gal adv. in crank degrees @ eng. rpm.	Start (rpm)	900
		Intermed. points deg. @ rpm	17 @ 2000
		Max. deg. @ rpm.	32 @ 5000
	Vacuum adv. in. crank degrees @ eng. rpm	Start (in Hg)	7
		Intermed. points deg. @ in. Hg	None
Max. deg. @ in.		12 @ 12	
	Vacuum Source	Carburetor	
Timing - Crank degrees @ rpm		4 BTDC @ Idle	
Cooling System (describe changes)		195° Thermostat	
Exhaust System (describe changes)		None	

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 (REVISED <sup>(a)</sup>)  
 MODEL 13817-67-13480-13680  
396 Cu. In. V-8  
375 HP-Opt (L78)

## ENGINE—FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.

Carburetor

Fuel Tank	Refill capacity (gals.)	20 (approximately)
	Filler location	Behind hinged rear license plate (a)
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Lower right front of engine
	Pressure range	7.25-8.50
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	Fine mesh plastic strainer in gas tank and paper filter in carburetor inlet
	Locations	
Carburetor	Choke type	Automatic
	Intake manifold heat control (exhaust or water)	Exhaust
	Air cleaner type	Oil-wetted paper element
	Standard	
	Optional	

## CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
13817 13867 13480 13680	396 cu.in. 375 HP	3-Speed & 4-Speed	Holley	3916143	One; 4-Bbl	1.562 Prim. & Sec.

(a) - Left rear quarter on pickups.



## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(\*)</sup>  
13817-67-13480-13680  
 396 Cu. In. V-8  
 MODEL 375 HP-Opt (L78)

**ELECTRICAL—SUPPLY SYSTEM**

Battery	Make and Model		Delco-Remy #1980030
	Voltage Rtg. & Total Plates		12 Volt-66 plate
	SAE Designation & Amp Hr. Rtg.		61 Amp/hr @ 20 hr rate
	Location		Right front engine compartment
Terminal grounded		Negative	
Generator or Alternator	Make		Delco-Remy
	Model		1100693
	Type and rating		Diode rectified (37 amps)
	Output at engine idle (neutral)		16 Amps
	Ratio—Gen. to Cr/s rev:		2.46:1
Regulator	Make		Delco-Remy
	Model		1119515
	Type		Vibrator
	Cutout relay	Closing voltage @ generator rpm	None
		Reverse current to open	None
	Regulated	Voltage	13.8-14 @ 85°F
		Current	--
	Voltage test conditions	Temperature	Operating
Load		3-8 Amperes	
Other		None	

**ELECTRICAL—STARTING SYSTEM**

Starting motor	Make		Delco-Remy
	Model		#1107365
	Rotation (drive end view)		Clockwise
	Engine cranking speed		--
	Test conditions		Engine at operating temperatures
	No load test	Amps	70-99
		Volts	10.6
RPM (min)		7800-12000	
Motor control	Switch (solenoid, manual)	Solenoid	
	Starting procedure	3-SPD & 4-SPD - Place gearshift in neutral and depress clutch to floor. INITIAL START - Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START & release as soon as engine starts.	

(Continued)

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(\*)</sup>  
13817-67-13480-13680  
 MODEL 396 Cu. In. V-8  
375 HP-Opt (L78)

**ELECTRICAL—STARTING SYSTEM (cont.)**

Motor Drive	Engagement type		Positive shift solenoid
	Pinion meshes (front, rear)		Rear
	Number of teeth	Pinion	9
		Flywheel	Manual
	Auto.		168
Flywheel tooth face width	Manual	.4100-.4220	
	Auto.	--	

**ELECTRICAL—IGNITION SYSTEM**

Coil	Transistorized - Std., Opt., N.A.		Not Available
	Make		Delco-Remy
	Model		1115204
	Amps	Engine stopped	4.0
Engine idling		1.8	
Distributor	Make		Delco-Remy
	Model		1111170
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	900
		Intermediate points deg. @ rpm.	17 @ 2000
		Max. deg. @ rpm.	32 @ 5000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	7
		Intermediate points, deg. @ in. Hg.	None
		Max. deg. in. Hg.	12 @ 12
	Breaker gap (in.)		.019
	Cam angle (deg.)		28°-32°
Breaker arm tension (oz.)		19-23	
Timing	Crankshaft deg. @ rpm.		4 BTDC @ 550
	Mark location		Torsional Damper
Spark Plug	Make		AC Spark Plug
	Model		AC 43N
	Thread (mm)		14
	Tightening torque (lb. ft.)		25
	Gap		.037-.038
Cable	Conductor type		Linen core impregnated with electrical conducting mat'l
	Insulation type		Rubber with neoprene jacket
	Spark plug protector		Silicon

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(a)</sup>  
13817-67-13480-13680  
396 Cu. In. V-8  
375 HP-Opt (L78)

MODEL \_\_\_\_\_

**ELECTRICAL—SUPPRESSION**

Locations & type	Non-metallic high tension ignition cables
------------------	--

**ELECTRICAL—INSTRUMENTS AND EQUIPMENT**

Speed-ometer	Make	AC
	Trip odometer (yes, no)	NA
Charge indicator—type		Tell-tale; gage models 13817-67
Temperature indicator—type		Tell-tale; gage models 13817-67
Oil pressure indicator—type		Tell-tale; gage models 13817-67
Fuel indicator—type		Electric gage
Other		None
Windshield wiper	Make	Delco
	Type—Standard	Electric; two-speed
	Type—Optional	None
	Vacuum booster provision	None
Washer provision		Pushbutton-standard
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	(Low note) 4.5-6.5 @ 12.5V. (Hi note) 4.2-6.2 @ 12.5V.

**DRIVE UNITS—CLUTCH (Manual Transmission)**

Make & type	3-Speed & 4-Speed Chevrolet single dry disc centrifugal	
Type pressure plate springs	Diaphragm, bent finger design	
Total spring load (lb.)	2450-2750	
No. of clutch driven discs	One	
Clutch facing	Material	Premium grade woven asbestos
	Outside & inside dia.	11.0 & 6.5
	Total eff. area (sq. in.)	123.70
	Thickness	.1400 each
Engagement cushioning method		Flat spring steel between facings
Release bearing	Type & method of lubrication	Single row ball, packed and sealed
Torsional damping	Methods: springs, friction material	Coil springs

# AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1967	DATE ISSUED	12-22-66	REVISED (*)
				13817-67-13480-13680		
				396 Cu. In. V-8		
				375 HP-Opt (L78)		

DRIVE UNITS—TRANSMISSIONS	
Manual 3-speed (std. or opt.)	Heavy Duty 3-Spd Optional
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not Available
Automatic (std. or opt.)	Not Available

DRIVE UNITS—MANUAL TRANSMISSION					
Number of forward speeds		3 HD 3-Spd	4 4-Spd	4 4-Spd	
Transmission ratios	In first	2.41	2.52	2.20	
	In second	1.57	1.88	1.64	
	In third	1.00	1.47	1.27	
	In fourth	--	1.00	1.00	
	In reverse	2.41	2.59	2.26	
Synchronous meshing, specify gears		All forward gears			
Shift lever location		Floor			
Lubricant	Capacity (pt.)	3.5	3		
	Type recommended	Meeting Military Spec. MIL-L-2105B			
	SAE viscosity number	Summer	SAE 80		
		Winter	SAE 80		
		Extreme cold	SAE 80		

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE					
For transmission data see manual transmission section					
Type (planetary or other)					
Manual lockout (yes, no)					
Downshift accelerator control (yes, no)					
Minimum cut-in speed		NOT			
Gear ratio					
Lubricant	Capacity (pt.) (Overdrive only)	AVAILABLE			
	Separate filler (yes, no)				
	Type recommended				
	SAE viscosity number	Summer			
		Winter			
Extreme cold					



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(0)</sup>  
13817-67-13480-13680  
396 Cu. In. V-8  
375 HP-Opt (L78)

**DRIVE UNITS—AUTOMATIC TRANSMISSION NOT AVAILABLE**

Trade name	
Type describe	
Method of Selection (Lever, Push Button or other)	
Selector Pattern	
List gear ratios Selector Pattern and indicate which are used in each selector position	
Max. upshift speeds—drive range	
Max. kickdown speeds—drive range	
Torque convertor	Number of elements
	Max. ratio at stall
	Type of cooling (air, liquid)
Lubricant	Capacity—refill (pt.)
	Type recommended
Special transmission features	

**DRIVE UNITS—PROPELLER SHAFT**

Number used	One	
Type (exposed, torque tube)	Exposed, Unsupported	
Outer diameter x length* x wall thickness	Manual 3-speed transmission	3.25 x 60.13 x .065
	Manual 4-speed transmission	3.25 x 60.13 x .065
	Overdrive transmission	NA
	Automatic transmission	NA

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

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(a)</sup>  
 MODEL 13817-67; 13480-13680

### DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Universal joints	Make	Chevrolet
	Number used	Two
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control Arms
Torque taken through (torque tube or arms, springs)		Control Arms

### DRIVE UNITS—REAR AXLE

Description	Semi-Floating, overhung pinion gear		
Slip differential, type	Dual disc clutches		
Drive Pinion Offset	1.5		
No. of differential pinions	Two		
Ring gear O.D. (std. ratio)	8.875		
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Single row cylindrical		
Lubricant	Capacity (pt.)	8.875 Ring gear 4.0	
	Type recommended	Military Spec. MIL-L-2105-B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
Extreme cold		SAE 80	

### REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		3.07	3.31	3.55	3.73	4.10	4.56	4.88
No. of teeth	Pinion	14	13	11	11	10	9	8
	Ring gear	43	43	39	41	41	41	39

## AMA Specifications—Passenger Car

 MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(a)</sup>

MODEL

13817-67; 13480-13680

## DRIVE UNITS—WHEELS

Type & material	Short spoke disc	
Rim (size and flange type)	Std.	SS 396, 14 x 6JK; Pickup 14 x 5J
	Opt.	14 x 6.0 except SS 396
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 Hex nuts. 7/16-20 NEF-2B

## DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	SS 396 - F70 x 14; Pickup - 7.75 x 14
	Type - Nylon, etc.	Original Equipment
Rev/mile at 50 mph.		SS 396 (779); Pickup (NA)
Inflation press. (cold)	Front	26 Coupes, & Conv.; 24 Pickup
	Rear	26 Coupes, & Conv.; 30 Pickup
Optional tires - size and ply		F70 x 14

## BRAKES—SERVICE

		STANDARD	METALLIC (opt)	FRT. DISC (opt)
Type (duo-servo, disc, balanced, etc.)		Duo-Servo 4-wheel hydraulic		Disc
Self adjusting (std., opt., N.A.)		Standard		
Hydraulic system type (single, dual, etc.)		Dual		
Power brake make & type (remote, integral, etc.)		Bendix, Delco-Moraine vacuum power unit assists master cylinder; integral		
Effective area (sq. in.) *		168.9	118.1	114.0
Gross lining area (sq. in.) **		168.9	118.1	118.1
Swept drum area (sq. in.) ***		268.6		332.4
Percent brake effectiveness—front		59.4		58.5
		9.5		11.00
Drum or Rotor	Diameter	9.5		
	Type and material	Composite; Cast iron rim; steel web		Cast iron
	Rotor (vented or solid)	--		Vented
	No. pistons per caliper	--		4
Wheel cylinder bore	Front	1.125		2.0625
	Rear	.9375		
Master cylinder bore		1.00	.875	1.125
Available pedal travel		7.00		5.00
Line pressure at 100 lb. pedal load		786	1026	--
Shoe clearance adjustment		Self Adjusting		

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

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

\*\*\* Total swept area for four brakes:

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

(Continued)

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(\*)</sup>

MODEL

13817-67; 13480-680

BRAKES—SERVICE (cont.)				STANDARD	METALLIC (OPT)	FRT. DISC (OPT)	
Brake lining	Drum or Disc			Drum		Disc	
	Bonded or riveted			Bonded	Welded	Riveted	
	Front Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.5 x .17	1.64 x 2.50 x .150	5.96 x 2.21 x .41	
			Second. or in-board	9.75 x 2.5 x .20	1.64 x 2.50 x .265	5.96 x 2.21 x .41	
		Segments per shoe		One	3 Pri 5 Sec	One	
	Rear Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.0 x .17	1.64 x 2.00 x .150	9.01 x 2.0 x .17	
			Second. or in-board	9.75 x 2.0 x .20	1.64 x 2.00 x .265	9.75 x 2.0 x .20	
		Segments per shoe		One	3 Pri 5 Sec	One	

### BRAKES—PARKING

Type of control	Pulley cable linkage, foot pedal apply, hand		
Location of control	release below instrument panel, left of steering column		
Operates on	Rear service brakes		
If separate from service brakes	Type (internal or external)	--	
	Drum diameter	--	
	Lining size (length x width x thickness)	--	

### FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	All welded perimeter frame with front crossmember, rear suspension cross member and rear crossmember.
---	---

### STEERING

Manual (std., opt., NA)	Standard - Energy absorbing steering column			
Power (std., opt., NA)	Optional			
Adjustable steering wheel (tilt, swing, other)	Type and description	TILT: Tilt achieved with universally-jointed steering shaft as base of steering wheel; 5-inch vertical travel range.		
	(std., opt., NA)	NA		
Wheel diameter	Manual	16.5		
	Power	16.5		
Turning diameter	Outside front	Wall to wall (l. & r.)	43.1	
		Curb to curb (l. & r.)	40.3	
	Inside rear	Wall to wall (l. & r.)	24.1	
		Curb to curb (l. & r.)	24.7	
Outside wheel angle with inside wheel at 20°		18.4		
Gear	Type	Semi-reversible, recirculating ball nut		
	Make	Saginaw		
	Ratios	Gear	24:1	
		Overall	28:1	
No. wheel turns		5.48 Lock to Lock		

(Continued)

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(6)</sup>MODEL 13817-67; 13480-13680**STEERING (cont.)**

Power	Type (coaxial, linkage, etc.).		<del>Coaxial</del>
	Make		<del>Coaxial</del> NOT
	Gear	Type	<del>Coaxial</del> AVAILABLE
		Ratios	<del>Coaxial</del>
	Gear Overall		<del>Coaxial</del>
Pump driven by		<del>Coaxial</del>	
Number wheel turns		<del>Coaxial</del>	
Linkage	Type		Parallelogram
	Location (front or rear of wheels, other)		Front of wheels
	Drag link (trans. or longit.)		None
	Tie rods (one or two)		Two
Steering Axis	Inclination at camber (deg.)		7-3/4 to 8-3/4
	Bearings (type)	Upper	Ball stud with non-metallic bearing surfaces
		Lower	Ball stud with metallic bearing surfaces
		Thrust	None
Wheel Alignment (at weight and preferred)	Caster (deg.)		SS 396 & Pickup; N 1 to 0
	Camber (deg.)		0 to P 1
	Toe-in (outside track inches)		1/8 to 1/4
Steering spindle & joint type		Forging with pad for mounting brake cylinder, spherical	
Wheel spindle	Diameter	Inner bearing	1.2493-1.2498
		Outer bearing	.7493-.7498
	Thread size		3/4-20 NEF-3 (Modified)
	Bearing type		Taper roller

## AMA Specifications—Passenger Car

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 MODEL \_\_\_\_\_ 13817-67-13480 & 13680  
 396 Cu. In. V-8

**SUSPENSION—GENERAL**

(See Supplemental page for details on Air Suspension)\*

Provision for car leveling		Front Stabilizer Bar
Provision for brake dip control		Mounting angle of front upper control arms
Provision for acc. squat control		Geometry of rear suspensions
Special provisions for car jacking		Bumper jack applied outboard of bumper bolt
Shock absorber front & rear	Type	Direct double acting, hydraulic
	Make	Delco-Products
	Piston dia.	1.00
Other special features		

**SUSPENSION—FRONT**

Type and description		Independent - SLA type with coil spring and concentric shock absorber, and spherically jointed steering knuckle for each wheel.
Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D.; bar length x dia.)	12.59 & 3.63; 135.8 x .637
	Spring rate (lb. per in.)	320
	Rate at wheel (lb. per in.)	120
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	H. R. steel, .937

**SUSPENSION—REAR**

Type and description		Linked, Salisbury axle fixed by control arms
Drive and torque taken through		Control arms
Spring	Type	Coil
	Material	Steel alloy
	Size (length x width, coil design height & I.D.; bar length & dia.)	9.00 x 5.50; 102.6 x .557
	Spring rate (lb. per in.)	130
	Rate at wheel (lb. per in.)	118
	Mounting insulation type	Natural Rubber
	If leaf	No. of leaves
	Shackle (comp. or tens.)	--
Stabilizer	Type (link, linkless, frameless)	None
	Material	--
Track bar type		None

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(\*)</sup>

MODEL _____	COUPES	CONVERTIBLE	PICKUP
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## BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front		
	Rear doors	Front		
Type of finish (lacquer, enamel, other)		Acrylic lacquer		
Hood counterbalanced (yes, no)		Yes		
Hood release control (internal, external)		External		
Vehicle Ident. No. location		Left front body hinge pillar		
Engine No. location		8-cyl. on top front of R.H. bank of cylinder and case		
Theft protection - type		Shielded ignition lock terminals key removable in "OFF" position		
Vent window control method (crank, friction pivot)	Front	Friction pivot		
	Rear	None		
Seat cushion type	Front	Formed wire and foam pad		
	Rear	Formed wire and cotton		
	3rd seat	None		
Seat back type	Front	Formed wire and foam pad		
	Rear	Formed wire and cotton		
	3rd seat	None		
Windshield glass type (i.e., single curved - laminated plate)		Curved, laminated		
: glass type (i.e., curved - tempered plate)		Curved		
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved	Plastic	Curved
Windshield glass exposed surface area		1144.2		1107.1
Side glass exposed surface area		1272.2	1208.6	839.2
Backlight glass exposed surface area		728.9	833.8	665.2
Total glass exposed surface area		3145.3	3186.6	2611.5

## LAMP HEIGHT AND SPACING

Height above ground to center of bulb	Headlamp	Highest *	26.0	26.2	26.4
		Lowest	26.0	26.2	26.4
	Tail	Highest	24.2		26.7
		Lowest			--
Distance from C/L of car to center of bulb	Headlamp	Inside			20.9
		Outside *			28.4
	Tail	Inside			27.9
		Outside			--
	Directional	Front			27.2
		Rear			27.9

\* If single headlamps are used enter here.

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 12-22-66 REVISED <sup>(\*)</sup>

13400-600-800

MODEL \_\_\_\_\_

## CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	NA models 13400 -- Optional all other models
	Vent Windows	NA
	Backlight or tailgate	NA
Power seats (specify type as well as availability)		Optional 4-way electric control
Reclining front seat back		NA
Front seat headrest		Optional
Radios (specify type as well as availability)		Optional AM-Manual, AM-Pushbutton, AM-FM-Pushbutton
Rear seat speaker		Optional
Power Antenna		NA
Clock		Optional 13400 -- Standard all other models
Air Conditioner (specify type and availability)		NA <del>Optional Four season and custom (recirculating)</del>
Speed warning device		Optional
Speed control device		Optional
Ignition lock lamp		NA
Back up lamp		Standard
Dome lamp		Standard
Glove compartment lamp		Optional 13400 -- Standard all other models
Prkg. brake signal lamp		Optional
gauge compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		NA models 13867 -- Optional all other models
Map lamp		NA
Auto. trans. quad. lamp		Standard
Emergency flasher lamp, Four-way		Standard
Cornering light lamp		NA
Freeway lane change signal		Standard
Instrument panel pad		Standard
Left hand outside mirror		Standard
Padded sun shades		Standard
Brake system warning and parking brake light		Standard
Steering column energy absorbing.		Standard



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## WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT
	Front	Rear	Total	2 Pass. In Front		*2 Pass. In Rear		
				Front	Rear	Front	Rear	
		Base V-8	283					Base V-8 283
CHEVELLE 300 DELUXE 13480 sedan pickup			3245	23			77	3085
MALIBU 13680 sedan pickup			3260	23			77	3105
		Base V-8	396					Base V-8 396
SS 396 13817 2-door coupe			3585	39			61	3415
13867 2-door conv.			3655	39			61	3494
Accessories & Equipment Differential Weights				Remarks				
Air injection system			+19	* - 300 lb load on pickups				
Brakes, power			+ 9					
Brakes, disc			+33					
Heater, (delete)			-24					
Radio, pushbutton			+ 8					
Radio, AM-FM pushbutton			+ 9					
Seat, 4-way power			+20					
Transmission, 4-speed			+ 7					
Window, Power			+21					
Engine, 396 V-8 L78								
Pickup			+231					
SS Model			-37					