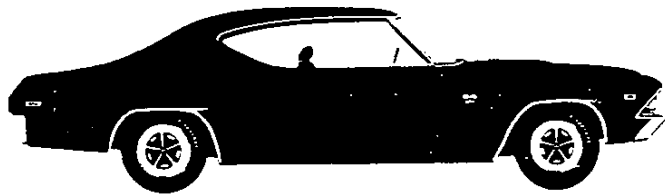


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# 1969



SS 396 Sport Coupe



SS 396 Convertible



## CHEVROLET

## CHEVELLE



1  
2



# GENERAL

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## MODEL IDENTIFICATION

### CHEVELLE 300 DELUXE SERIES 133-13400

MODEL 133-13427 2-DOOR COUPE, 5-PASSENGER  
MODEL 133-13469 4-DOOR SEDAN, 6-PASSENGER  
MODEL 133-13437 2-DOOR SPORT COUPE, 5-PASSENGER  
MODEL 133-13480 2-DOOR SEDAN PICKUP, 3-PASSENGER

### MALIBU SERIES 135-13600

MODEL 135-13669 4-DOOR SEDAN, 6-PASSENGER  
MODEL 135-13639 4-DOOR SPORT SEDAN, 6-PASSENGER  
MODEL 135-13637 2-DOOR SPORT COUPE, 5-PASSENGER  
MODEL 135-13667 2-DOOR CONVERTIBLE, 5-PASSENGER  
MODEL 135-13680 2-DOOR SEDAN PICKUP, 3-PASSENGER

### CHEVELLE STATION WAGONS

MODEL 131-13235 NOMAD 4-DOOR STATION WAGON, 2-SEAT \*  
MODEL 131-13236 NOMAD 4-DOOR STATION WAGON, 2-SEAT  
MODEL 133-13435 GREENBRIER 4-DOOR STATION WAGON, 2-SEAT \*  
MODEL 133-13436 GREENBRIER 4-DOOR STATION WAGON, 2-SEAT  
MODEL 133-13446 GREENBRIER 4-DR STATION WAGON, 3-SEAT  
MODEL 135-13636 CONCOURS 4-DR STATION WAGON, 2-SEAT  
MODEL 135-13646 CONCOURS 4-DR STATION WAGON, 3-SEAT  
MODEL 13836 CONCOURS ESTATE 4-DR STATION WAGON, 2-SEAT  
MODEL 13846 CONCOURS ESTATE 4-DR STATION WAGON, 3-SEAT

\* Conventional tailgate; dual action tailgate standard for all other Chevelle Station Wagons.

# SERIAL NUMBERS AND IDENTIFICATION

## ONLY BASIC DESIGNATIONS SHOWN

### VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model	Model Year	Assembly Plant	Unit Number
13369	1969	(Atlanta)	(25th unit)
	9	A	300025

Thus: The 25th model built at Atlanta would be serial number 133699A300025

8-Cylinder Example:

Model	Model Year	Assembly Plant	Unit Number
13469	1969	(Atlanta)	(26th unit)
	9	A	300026

Thus: The 26th model built at Atlanta would be serial number 134699A300026

### ASSEMBLY PLANTS

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

Starting unit number ----- 300001 and up at  
each assembly plant regardless of series  
Location ----- Stamped on plate attached  
top left hand of instrument panel

### TRANSMISSION IDENTIFICATION

Example: QPS9E01D

Type	Source	Model Year	Production*
Designation	Designation	1969	Month & Date
QP	S (Saginaw)	9	E01D*
QP	3-Speed	L-6 & V-8 engines	S - Saginaw
HU	4-Speed	V-8 engine	P - Muncie
			R - Saginaw
UO	Powerglide	L-6 engine	C - Cleveland
			T - Toledo
TF	Powerglide	V-8 engine	C - Cleveland
			T - Toledo
FP	Turbo Hydra-Matic	L-6 engine	X - Cleveland
			Y - Toledo
FQ	Turbo Hydra-Matic	V-8 engine	X - Cleveland
			Y - Toledo
--	Turbo Hydra-Matic	V-8 engine	CC - Ypsilanti

Location:  
3-Speed & 4-Speed ----- Stamped on right  
hand side of the case in the upper forward corner.  
4-Speed ----- Stamped on  
top right side of the case.  
Powerglide & Turbo  
Hydra-Matic (Chevrolet) ----- Stamped on  
right hand side of pan.  
Turbo Hydra-Matic ----- Nameplate  
tag on right hand side of the case.

o-Month: E denotes May; (see below) 01 denotes 1st day  
Alpha Characters used in identifying the Calendar Month

A - January	D - April	K - July	R - October
B - February	E - May	M - August	S - November
C - March	H - June	P - September	T - December

\*-The letter "D" or "N" following the date numerals  
indicates day or night shift.

### ENGINE IDENTIFICATION

Example: F1210BE

Source	Production*	Type
Designation	Month & Date	Designation
F(Flint)	1210	BE

#### 230 Cubic Inch 6-Cylinder

AM - Regular engine, 3-speed  
AN - Regular engine, Powerglide  
AO - Regular engine, Turbo Hydra-Matic (Chevrolet)

#### 250 Cubic Inch 6-Cylinder (RPO-L22)

BE - Optional engine, 3-speed  
BB - Optional engine, Powerglide  
BD - Optional engine, Turbo Hydra-Matic (Chevrolet)

#### 307 Cubic Inch 8-Cylinder

DA - Regular engine, 3-speed  
DE - Regular engine, 4-speed  
DC - Regular engine, Powerglide  
DD - Regular engine, Turbo Hydra-Matic (Chevrolet)

#### 350 Cubic Inch 8-Cylinder (RPO-L48)

HA - Optional engine, 3-speed, 4-bbl. carb.  
HE - Optional engine, Powerglide, 4-bbl. carb.  
HB - Optional engine, Turbo Hydra-Matic (Chevrolet)

#### 396 Cubic Inch 8-Cylinder (RPO-L35)

JA - Optional engine, 3-speed, 4 bbl. carb.  
JK - Optional engine, Turbo Hydra-Matic, 4-bbl.  
carb.

#### 396 Cubic Inch 8-Cylinder (RPO-L34)

JC - Optional engine, 3-speed, 4-bbl. carb.  
JE - Optional engine, Turbo Hydra-Matic, 4 bbl.  
carb.

#### Location:

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

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

### REAR AXLE IDENTIFICATION

TO BE PROVIDED

# REGULAR EQUIPMENT—EXTERIOR

## STANDARD EXTERIOR EQUIPMENT

	Nomad 131-13200	300 Deluxe And Greenbrier 133-13400	Malibu And Concours 135-13600	Concours Estate 13500	Standard El Camino 139-13480	Custom El Camino 135-13680
FRONT	Radiator Grille Bow Tie Emblem		X	X	X	X
	Bright Windshield Molding with Narrow Lower Molding	X	X		X	
	Bright Windshield Molding with Wide Lower Molding			X	X	X
	Bumper-Mounted Parking Lamps (White Lens)	X	X	X	X	X
	Black Painted Headlamp Bezel with Bright Border	X	X	X	X	X
	Plastic Radiator Grille with Bright Outline Moldings	X	X	X	X	X
	Radiator Grille Bright Center Molding			X	X	X
	"Chevrolet" Front Header Nameplate	X	35,36,46	36, 46	X	
	"El Camino" Front Header Nameplate					X
	"Chevelle by Chevrolet" Front Header Nameplate		27,37,69	37, 39, 67, 69		
Hood and Fender Rear Molding	X	X	X	X	X	
Concealed Windshield Wipers with Articulated Left Blade			X	X	X	
Bright Windshield Pillar Molding			67			
SIDE	Front and Rear Marker Lamps (F-Amber, R-Red)	X	X	X	X	X
	Engine Displacement (Except Base L-6) Part of Front Marker Lamp Bezel	X	X	X	X	X
	Front Fender Nameplate	"Nomad"	"300 Deluxe"			
	Rear Quarter Nameplate		"Greenbrier"	"Malibu" "Concours"	"Concours Estate"	"El Camino" "El Camino"
	Bright Ventipane Frames	X	35,36,46, 27,69	36,46, 39,69	X	X
	Left Hand Outside Rear View Mirror	X	X	X	X	X
	Rocker Panel Molding		X		X	
	Body Side Lower Molding-Front and Doors			36,46,69		
	Body Side Lower Molding-Front Fender, Doors and Rear Quarter			37,39,67		X
	"Cortez" Silver Below Body Side Lower Molding			37,39,67		X
	Body Side Twin Paint Stripes			X		X
	Bright Roof Drip Gutter Molding		35,36,46	36, 46- 37,39,69	X	X
	Rear Quarter Window Reveal Molding		35,36,46	36, 46	X	
	Body Side Wood-Grain Insert with Black Paint Filled Outline Molding				X	
	Bright Load Compartment Belt Molding					X
	Bright Door Frame Scaip Molding					X
	Wheel Opening Moldings				X	
Hub Caps	X	X	X	X	X	

## REGULAR EQUIPMENT—EXTERIOR—Cont'd

### STANDARD EXTERIOR EQUIPMENT

	Nomad 131-13200	300 Deluxe And Greenbrier 133-13400	Malibu And Concours 135-13600	Concours Estate 13800	Standard El Camino 133-13480	Custom El Camino 135-13680
<b>REAR</b>	Rear Belt Molding		67			
	"Chevrolet" Tailgate Nameplate	X	35,36,46	36, 46	X	X
	"Chevelle by Chevrolet" Deck Lid Nameplate		27,37,69	37, 39, 67, 69		
	Black Paint Filled Rear End Panel or Tailgate Molding			X	X	X
	"Cortez" Silver Between Rear End Panel Moldings			37,39,67		
	Tailgate Wood-Grain Insert Between Tailgate Moldings				X	X
	Bow Tie Tailgate Emblem					X
	Tailgate Belt Molding					X
	Tailgate-Mounted Backup Lamps	X	35,36,46	36, 46	X	X
	Backup Lamp Integral with Tail Lamp		27,37,69	37,39, 67, 69		
	Bumper Mounted Reflectors					X
	Bright Rear Window or Tailgate Reveal Molding	X	X	36, 46, 37,39,69	X	X
	Bumper Step Well Rubber Mat	36	36, 46	36, 46	X	
	Body-to-Bumper Filler Panel with Rubber Mats		46	36, 46	X	
Body-to-Bumper Filler Panel with Black Paint	35, 36	35, 36				



# REGULAR EQUIPMENT—INTERIOR

## STANDARD INTERIOR EQUIPMENT

	Nomad 131-13200	300 Deluxe And Greenbrier 133-13400	Malibu And Concours 135-13600	Concours Estate 13800	Standard El Camino 133-13480	Custom El Camino 135-13680
<b>ROOF AND PILLARS</b>	Prismatic 12-Inch Rear View Mirror with Padded Edges	X	X	X	X	X
	Silver-Painted Rear View Mirror Support	X	X	X	X	X
	Plastic, Trim-Colored Rear View Mirror Support Cover	X	X	X	X	X
	Padded Sunshades	X	X	X	X	X
	Sunshade Inboard Retainer (At mirror Support Cover)	X	X	X	X	X
	Padded, Trim-Colored Windshield Pillars	X	X	X	X	X
	Plastic, Trim-Colored Coat Hooks	X	X	36, 46, 37,39,69	X	
	Bright-Bezeled Center Dome Lamp	X	X	36, 46, 37,39,69	X	
	Bright-Bezeled Backlight Header Dome Lamp					X
	Bright Front Seat Shoulder Belt Roof Rail Sorage Clips	X	X	36, 46, 37,39,69	X	
	Plastic, Trim-Colored Front Seat Shoulder Belt Anchor Cover	X	X	36, 46, 37,39,69	X	X
	Left and Right Front Door JambSwitches		X	X	X	X
	Left Front Door JambSwitch	X				
	Additional Roof Insulation			36, 46	X	
<b>SEATS AND FLOOR COVERING</b>	Front Seat Cushion 1.25-Inch Foam Pad	X	X		X	
	Front Seat Cushion 1.75-Inch Foam Pad			X		X
	Second Seat Cushion 6-Oz. Cotton Pad	X	X			
	Second Seat Cushion 1.0-Inch Foam Pad			X	X	
	Third Seat Cushion .75-Inch Foam Pad		46	46	46	
	Bright Front Seat Adjuster Handle	X	X	X	X	X
	Bright Folding Front Seat Back Latches		27, 37	37, 67		X
	Bright Folding Second Seat Back Latches	X	35,36,46	36, 46	X	
	Bright Folding Third Seat Back Latches		46	46	46	
	Cloth, and Cloth and Vinyl Seat Cushion and Seat Back Trim		27,37,69	37,39,69		
	All-Vinyl Seat Cushion and Seat Back Trim	X	35,36,46	36, 46	X	X
	Vinyl Coated Rubber Passenger Compartment Floor Covering	X	X			X
	Carpet Passenger Compartment Floor Covering			X	X	
	Luggage Compartment Spatter Paint		27,37,69	37, 39, 67, 69		
	Luggage Compartment Pad			37, 39, 67, 69		
	All Vinyl Front Seat Head Restraints	X	X	X	X	X
	Seat Belts	X	X	X	X	X
	Front Seat Shoulder Belts	X	X	X	X	X
	All Vinyl Door and Quarter Panel Trim	X	X	X	X	X
Padded Front Door Armrests	X	X	X	X	X	
Padded Rear Door or Quarter Panel Armrest with Ash Tray		X	36, 46, 37,39,69	X		
Built-In Rear Quarter Armrest with Ash Tray			67			
Silver-Accented, Clear Plastic Window Regulator Knobs	X	X	X	X	X	
Bright Door Lock Buttons	X	X	X	X	X	
Series Door Nameplate	Chevelle	Chevelle Greenbrier	Malibu Concours	Concours	Chevelle	Malibu

# REGULAR EQUIPMENT—INTERIOR—Cont'd

## STANDARD INTERIOR EQUIPMENT

	Nomad 131-13200	300 Deluxe And Greenbrier 133-13400	Malibu And Concours 135-13600	Concours Estate 13800	Standard El Camino 133-13400	Custom El Camino 133-13400	
INSTRUMENT PANEL	Blended Air Heater with Lighted Controls	X	X	X	X	X	
	Ash Tray	X	X	X	X	X	
	Bright Cigarette Lighter	X	X	X	X	X	
	Clock Hole Cover	X	X	X	X	X	
	Temperature, Generator, Oil Pressure and Brake Warning Lights	X	X	X	X	X	
	Instrument Panel Right Side Molding and Nameplate		Wagon Only	X	X		X
	Trim-Colored Instrument Panel Pad	X	X	X	X	X	X
	Bright, Black-Accented Light Switch Knob	X	X	X	X	X	X
	Two-Speed Windshield Wiper with Washer	X	X	X	X	X	X
	Slide-Type Windshield Wiper Control (Depress for Washer)	X	X	X	X	X	X
	Bright Cowl Vent Control Knobs	X	X	X	X	X	X
	High Beam and Turn Signal Indicators	X	X	X	X	X	X
	Positive-Type Glove Compartment Door Lock	X	X	X	X	X	X
	Glove Compartment Light			X	X		X
	Left and Right Side High Level Ventilation Outlets		37	37, 67			
	Instrument Panel Courtesy Lights			67			
"Astro-Ventilation" Nameplate (Above Right Side High Level Ventilation Outlet)		37	37, 67				
STEERING	Steering Column Ignition Switch with Integral Steering Wheel and Trans. Lock	X	X	X	X	X	
	Trim-Colored Turn Signal Lever Knob	X	X	X	X	X	
	Trim-Colored Transmission Shift Lever Knob	X	X	X	X	X	
	Plastic, Oval, Two-Spoke, Shrouded Steering Wheel with Horn Blowing Tabs	X	X	X	X	X	X
	Steering Wheel Emblem	Bow Tie	Bow Tie	Malibu	Bow Tie	Bow Tie	Malibu
	Bright Hazard Flasher Knob	X	X	X	X	X	X
	Steering Wheel with Wood-Grain Treatment on Shroud				X		
STATION WAGON LOAD AREA	Vinyl Coated Rubber Flat Load Floor Mat	X					
	Vinyl Painted, Textured Metal Load Floor	X	X	X	X		
	Vinyl Painted, Textured Metal Quarter Panel and Wheelhouse	X	X				
	Vinyl Trimmed Quarter Panel and Wheelhouse			X	X		
	Black Rubber Load Floor Well Mat		35, 36	36	36		
	Vinyl-Colored, Rubber Coated Load Floor Well Mat		46	46	46		
	Manual Tailgate Window Control	X	35, 36	36	36		
	Electric Tailgate Window Control		46	46	46		
Additional Insulation Under Load Floor and in Stowage Well				X			
Third Seat Courtesy Light		46	46	46			

# MAJOR APPEARANCE AND PERFORMANCE OPTIONS

	RPO Z11 "Concours" Trim (Available on Malibu 4-Door Sport Sedan)	RPO Z15 Bucket Front Seats (Available on Malibu Sport Coupe & Con- vertible, & Custom El Camino)	RPO C06 Vinyl Roof (Available in Black, Parch- ment, Midnight Green, DK. Blue & Dk. Brown)	RPO B90 Bright Scalp Moldings (Not Available on Sport Coupe, Sport Sedan or Convertible)	RPO Z16 Super Sport (Available on 300 Deluxe Coupe & Sport Coupe, Malibu Coupe & Con- vertible & Custom El Camino)
All Vinyl Bucket Front Seats		X			
All Vinyl Bucket Front Seat Head Restraints		X			
"Concours" Front Fender Nameplate	X				
Ribbed, Black Paint Filled Front Fender, Body Lower Side and Rear Quarter Molding	X				
"Concours by Chevrolet" Rear Deck Lid Nameplate	X				
Wheel Opening Moldings	X				X
"Concours" Nameplate in Wood-Accented Instrument Panel Right Side Molding	X				
Wood-Grain Insert in Steering Wheel Shroud	X				
Bow Tie Steering Wheel Center Emblem	X				
Perforated Headlining	X				
Additional Interior Insulation	X				
Distinct, Luxurious Sear and Sidewall Trim	X				
Bright Backing Plates for Front and Rear Door Armrests	X				
Vinyl Roof Material			X		
Bright Roof Drip Gutter Molding			X		X (C)
Bright Rear Door (4-Dr. Models), Sail and Tulip Panel Outline Molding			X		
Bright Front and Rear Door Frame, and Center Pillar Scalp Moldings				35,36,46,69	
Bright Door and Quarter Window Frame Scalp Molding				27	
Bright Rear Quarter Window Reveal Molding				35, 36	
Black Steering Wheel and Column					X (A)
Steering Wheel Shroud with Black Center Area and Horn Blowing Tab					X (B)
"SS" Steering Wheel Center Emblem					X
"SS 396" Nameplate in Black-Accented Instrument Panel Right Side Molding					X
"SS 396" Door Sidewall Emblem					X (A)
Black Paint Filled Rear End Panel or Tailgate Moldings					X (C)
Black Paint Between Rear End Panel Moldings					X
Malibu Series Rear Quarter End Cap, Tail Lamp and Tail Lamp Bezel					X (B)
Grille, Front Fender, and Rear End Panel or Tailgate "SS 396" Nameplate					X
Black Painted Radiator Grille					X
Special Hood with Ornamental Cowl Grilles					X
Bright Bezeled Parking Lamp Lens					X
F70-14 Wide Oval, Blackwall, White-Lettered Tires					27,37,67
G70-14 Wide Oval, Blackwall, White-Lettered Tire					80
14 x 7 Sport Wheels with Special Hub Cap and Trim Ring					X
Oval Tail Pipes					27,37,67

- (A) - Malibu Series and Custom El Camino only.  
 (B) - 300 Deluxe Series only.  
 (C) - Base on Malibu Series, and Custom El Camino.

## REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO/ACC	Models
Air conditioner, Four-Season	C60	13000
Air conditioner, G.M. Chevrolet	ACC	13000
<b>Appearance Guard Group (Items available as a group or as separate options)</b>		
Door edge guards (RPO B93)		13000 exc 13800
Front bumper guards (RPO V31)		13000
Rear bumper guards (RPO V32)		13000 exc wgn & pickup
Twin front and rear floor mats (RPO B37)		13000
Visor vanity mirror (RPO D34)		13000
<b>Auxiliary Lighting (Items available as a group) - RPO ZJ9</b>		
Ash tray light		13000
Courtesy lights		13000 exc conv
Glove box light		131-132-133-13400
Luggage light		13000 exc wgn & pickup
Map light		13000
Underhood lamp		13000
<b>Axle Ratios</b>		
2.56 ratio	GT11	13000
2.73 ratio	G97	13000
3.07 ratio	H01	13000
3.08 ratio	G92	13000
3.31 ratio	G94	13000
3.36 ratio	G76	13000
3.55 ratio	G96	13000
4.10 ratio	*	13000
Positraction (all ratios)	G80	13000
Battery, heavy duty	T60	13000
<b>Belts and Harnesses</b>		
Deluxe front and rear seat belts	A39	135-13667
Deluxe front seat shoulder harnesses	A85	135-13667
Deluxe rear seat shoulder harnesses	AS4	13000 exc pickup
Deluxe seat belts and front seat shoulder harnesses	ZK3	13000 exc conv
Seat belt retractor	ACC	13000
Standard front seat shoulder harnesses	AS1	135-13667
Standard rear seat shoulder harnesses	AS5	13000 exc pickup
Brakes, front disc	J52	13000
Brakes, power	J50 ACC	13000
<b>Carriers</b>		
Deck lid luggage carrier	ACC	13000 exc wgn & pickup
Roof luggage carrier	V55 ACC	13000 wgn
Roof luggage carrier cover	ACC	13000 wgn
Ski rack (roof luggage carrier)	ACC	13000 wgn
Ski rack (roof clamp-on type)	ACC	13000 exc conv
Clock	U35 ACC	13000
Clutch, heavy duty	MA6	13000
Compass	ACC	13000
Console, front compartment	D55	135-13637-67-80
Cruise control, Cruise-Master	ACC	132-134-136-13800
Deflectors, rain	ACC	13000 4-door (exc sport sedan) & wgn
Deflector, tailgate window	C51 ACC	13000 wgn
Defroster, rear window	C50 ACC	13000 exc pickup
Emergency road kit	ACC	13000
<b>Engines</b>		
155-hp Turbo-Thrift 250 cu.in. L-6	L22	13000
255-hp Turbo-Fire 350 cu.in. V-8	LM1	13000
300-hp Turbo-Jet 350 cu.in. V-8	L48	13000
325-hp Turbo-Jet 396 cu.in. V-8	L35	13000
350-hp Turbo-Jet 396 cu.in. V-8	L34	13000
Engine ventilation, heavy duty closed positive	KD5	13000
Engine block heater	K05	13000
<b>Exhaust</b>		
Dual exhaust	N10	132-134-136-13800
Noise reduction - California	NC7	132-134-136-13800
Dual chambered exhaust system	NC8	13427-37, 13637-67-80
Fan, temperature controlled	K02 ACC	132-134-136-13800
Fire extinguisher	ACC	13000
Fire extinguisher refill cartridge	ACC	13000
Floor mats, clear vinyl twin front and rear	ACC	13000
Floor mats, twin front and rear	B37 ACC	13000

\*Positraction only.

## REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO/ACC	Models
Gauges, instrument panel	U14	13427-37, 13637-67-80
Generator, Delcotron (42 amp)	K79	13000
Generator, Delcotron (63 amp)	K85	13000
Glass, tinted window	A01	13000
Glass, tinted windshield (fleet use only)	A02	13000
<b>Guards</b>		
Door edge guards	B93 ACC	13000 exc 13800
Front bumper guards	V31 ACC	13000
Rear bumper guards	V32 ACC	13000 exc wgn & pickup
Headlamp washer	CE1	13000
Horns, dual	U05 ACC	131-132-133-13400
<b>Lights</b>		
Ash tray light	ACC	13000
Courtesy lights	ACC	13000 exc conv
Glove box light	ACC	131-132-133-13400
Hand portable spotlight	ACC	13000
Light monitoring system	U46 ACC	13000 exc pickup
Luggage light	ACC	13000 exc wgn & pickup
Power door locks	A93	13000
Remote control spotlight	ACC	13000
Trunk lid release	ACC	13000 exc wgn
Underhood light	ACC	13000
Litter container, saddle type	ACC	13000
<b>Locks</b>		
Gas cap lock	ACC	13000
Spare wheel lock	ACC	13000
Rear door safety lock	ACC	13000
<b>Mirrors</b>		
Remote control outside mirror	D33	13000
Right hand outside rearview mirror	ACC	13000
Visor vanity mirror	D34 ACC	13000
<b>Model Option</b>		
Concours trim and ornamentation package	ZJ6	135-13639
Molding, upper body side	BX4	131-132-133-134-135-13600
Molding, door and window frame	B90	13000 exc conv, Sport coupe, Sport sedan & 135-13680
<b>Operating Convenience Group (Items available as a group or as separate options)</b>		
Clock (RPO U35)		13000
Rear window defroster (RPO C50)		13000 exc pickup
Remote control outside mirror (RPO D33)		13000
Paint stripe, body	D96	13427-37, 13637-67-80
Radiator, heavy duty	V01	13000
<b>Radio Antennas</b>		
Front fixed height antenna	ACC	13000
Front manual antenna	ACC	13000
Rear manual antenna	U73 ACC	13000 exc wgn & pickup
<b>Radios</b>		
Push-button AM radio with front antenna	U63 ACC	13000
Push-button AM-FM radio with fixed height antenna	U69 ACC	13000
AM-FM stereo radio	U79 ACC	13000 exc pickup
Rear speaker	U80 ACC	13000 exc pickup
<b>Seats</b>		
Child restraint seat	ACC	13000
Front Strato-bucket seat	A51	135-13637-67-80
Speed warning indicator	U15	13000
<b>Steering</b>		
Power steering	N40	13000
Tilt-type steering wheel	N33	13000
Wood-grained plastic steering wheel	N34	13000
Stereo tape player	U57 ACC	13000 exc pickup
Suspension, heavy duty front and rear	F40	13000
Suspension, special performance front and rear	F41	13427-37, 13637-67*

\* SS 396 only

## REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO/ACC	Models
Tachometer	ACC	132-134-136-13800
<b>Tires</b>		
7.35-14-4 pr	P57	13000 exc wgn
7.35-14-4 pr-whitewall	P58	13000 exc wgn
7.75-14-4 pr-whitewall	P62	13100, 132-133-134-135-13600 exc wgn
7.75-14-4 pr	P65	13100, 132-133-134-135-13600 exc wgn
8.25-14-4 pr	P75	13000 wgn
8.25-14-4 pr-whitewall	P77	13000 wgn
G78-14-4 pr	PK1	13000 wgn
G78-14-4 pr-whitewall	PK2	13000 wgn
G70-14-4 pr-red stripe	PK4	13680
7.75-14-8 pr-whitewall	PN5	13000 wgn
8.25-14-4 pr-special nylon	PQ6	13000 wgn
F70-14-4 pr-white lettering	PL5	13000 exc wgn
8.25-14-4 pr-special nylon	PQ6	13000 wgn
8.25-14-4 pr-special nylon-whitewall	PQ7	13000 wgn
8.25-14-8 pr-special heavy duty	PR2	13000 wgn
8.25-14-8 pr-special heavy duty whitewall	PR3	13000 wgn
F70-14-4 pr-white stripe	PW7	13000 exc wgn
F70-14-4 pr-red stripe	PW8	13000 exc wgn
F78-14-4 pr	PX5	13100, 132-133-134-135-13600 exc wgn
F78-14-4 pr-whitewall	PX6	13100, 132-133-134-135-13600 exc wgn
G70-14-4 pr-white stripe	PX8	13680
G70-14-4 pr-white stripe	PX9	13680
F70-14-4 pr-white stripe	PY4	13000 exc wgn
F70-14-4 pr-red stripe	PY5	13000 exc wgn
G70-14-4 pr-red stripe	PY7	13680
Tissue dispenser	ACC	13000
<b>Top</b>		
Folding convertible top	C05	135-13667
Power convertible top	C06	135-13667
Vinyl roof covering	C08	13000 exc conv & wgn
Trailer hitch	ACC	13000
Trailer wiring harness	ACC	13000
<b>Transmissions</b>		
Heavy duty 4-speed transmission	M22	13000
4-speed	M20	13000
4-speed, close ratio	M21	13000
Powerglide	M35	13000
3-speed automatic - Chevrolet-built Turbo Hydra-Matic	M38	13000
Heavy duty 3-speed transmission - Chevrolet	MC1	13000
3-speed automatic, Turbo Hydra-Matic	M40	13000
<b>Wheel Covers</b>		
Mag-style wheel covers-5 spoke	N96	ACC 13000
Mag-style wheel covers-6 spoke	PA2	ACC 13000
Simulated wire wheel covers	N95	ACC 13000
Wheel covers	P01	ACC 13000
Wheel trim ring (14" and 15" wheels)	P06	13000
Wheels-"rally wheel," hub cap, trim ring	ZJ7	13000 exc wgn
<b>Windows</b>		
Power tailgate window	A33	13000 wgn (2 seat)
Power windows	A31	135-136-13800
Windshield Wipers, concealed	C24	131-132-133-13400

# AIR CONDITIONING EQUIPMENT

## FOUR SEASON (RPO C60)

Heater integrated; manually controlled by three horizontal levers on instrument control panel plus 4-speed fan switch. Upper lever operates compressor and air selector doors; center lever controls air flow from instrument panel outlets; lower lever directs air to defroster outlets.

## 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 ----- 7 blade  
Fan Clutch ----- Thermomodulated fluid coupling  
Crankshaft Pulley ----- Dual  
Water Pump & Fan Pulley ----- Dual  
Compressor & Crankshaft Belt ----- One\*  
Generator ----- 61 Ampere  
Radiator ----- Heavy duty

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.

# DIMENSIONS AND WEIGHTS

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# INTERIOR DIMENSIONS

## FRONT COMPARTMENT

CODE	DESCRIPTION	2-DOOR COUPE	4-DOOR SEDAN	SPORT SEDANS	SPORT COUPES	CONVERT- IBLES	STATION WAGONS	SEDAN PICKUP
H3	Seat cushion height			10.9		10.5	10.9	
H11	Entrance height	29.3	29.8	30.3	29.9	29.5	30.1	30.0
H13	Steering wheel thigh clearance	4.1	3.9	4.0	4.1	4.0	4.3	3.5
H30	H point to heel point			8.1				8.2
H32	Seat cushion deflection	4.0	3.8			4.0		
H58	H point rise			0.8				0.7
H61	Effective headroom	37.9	38.1		37.9	38.3	38.5	38.1
H70	H point to body O line	13.8	14.1		13.8	14.1	13.8	13.9
H75	Effective headroom - 'T' point	38.1	38.3		38.1	38.5	38.7	38.3
W3	Shoulder room	58.2	58.4		58.2		58.3	58.2
W5	Hip room	59.8	59.7	59.5	59.8	59.7	59.8	59.8
L7	Steering wheel torso clearance	12.2	12.1		12.2	12.1	12.4	11.5
L17	H point travel			4.8				4.7
L34	Effective leg room	42.5	42.7	42.8	42.5	42.8	42.8	41.6

## REAR COMPARTMENT

H8	Seat cushion height	12.7	13.0	13.1	12.7	12.6	13.3	---
H12	Entrance height	---	29.5	29.9	---	---	29.7	---
H31	H point to heel point	10.2	10.6	10.7	10.2	10.1	10.8	---
H33	Seat cushion deflection	4.3	4.4		4.3		4.5	---
H51	Upper body opening to ground	---			---			---
H63	Effective headroom	36.3	37.1		36.3	36.9	38.3	---
H71	H point to body O line	13.4	14.0		13.4		14.0	
H76	Effective headroom - 'T' point	36.3	37.2		36.3	36.9	38.5	---
W4	Shoulder room	56.8	57.2		56.8	37.7	57.4	---
W6	Hip room	58.5	58.8		58.5	50.4	59.5	---
L3	Rear compartment room	24.0	25.8		24.0		26.1	---
L50	H point couple distance	30.6	32.8		30.6	30.5	32.8	---
L51	Effective leg room	32.5	35.1	34.9	32.5	32.3	35.2	---

## STATION WAGON THIRD SEAT

W85	Shoulder room						47.5	
W86	Hip room						47.0	
H86	Effective headroom						35.8	
L86	Effective leg room						30.5	
L87	Knee room						12.9	

## LUGGAGE COMPARTMENT

---	Opening width							
---	Interior height							
---	Interior width							
---	Interior length							
H195	Liftover height	26.5	26.3	26.0	25.7			
V1	Usable luggage capacity (cu.ft.)							
---	Total volume (cu.ft.)							

## STATION WAGON CARGO SPACE

H201	Maximum cargo height						31.6	
H202	Rear opening height						28.6	
H250	Tailgate to ground height							
W200	Cargo width - front						59.5	
W201	Cargo width - wheelhouse						44.5	
W203	Rear opening width at floor						50.1	
W204	Rear opening width at belt						49.6	
W205	Rear opening width above belt						49.4	
L200	Maximum cargo length - front seat						116.8	
L201	Maximum cargo length - second seat						85.0	
L202	Cargo length at floor - front seat						90.9	
L203	Cargo length at floor - second seat						59.1	
L204	Cargo length at belt - front seat						79.9	
L205	Cargo length at belt - second seat						46.8	
V2	Total cargo volume (cu.ft.)						94.0	

## EXTERIOR DIMENSIONS

### LENGTHS

CODE	DESCRIPTION	2-DOOR COUPE	4-DOOR SEDAN	SPORT SEDANS	SPORT COUPES	CONVERT- IBLES	STATION WAGONS	SEDAN PICKUP
L101	Wheelbase	112.0	116.0		112.0		116.0	
L102	Tire size (standard)			7.35 x 14			8.25 x 14	7.75 x 14
L103	Overall length	196.9	200.9		196.9		207.9	
L104	Overhang - front				37.5			
L105	Overhang - rear			47.4			54.4	
----	Overall length - less bumpers							
L127	Body O line to C/L of rear wheels	95.5	99.5		95.5		99.5	
L128	Hood length at centerline				56.2			

### WIDTHS

W101	Tread - front				59.0			
W102	Tread - rear				59.0			
W103	Maximum overall width of car				76.0			
W106	Front fender overall width				75.6			
W107	Rear fender overall width				74.9			
W120	Overall car width, front doors open	150.1	132.3		150.1		132.3	132.3
W121	Overall car width, rear doors open	---	134.4		---		134.2	---

### HEIGHTS

H101	Overall height (design)	53.2	53.0	52.7	52.2	52.1	54.5	54.7
----	Overall height (curb)							
H102	Front bumper to ground	18.9	18.5	18.2	19.1		21.3	21.7
H104	Rear bumper to ground	15.5	15.1	14.4	14.0		15.3	16.0
H111	Rocker panel to ground - rear	7.3	7.1		6.8		8.2	8.5
H112	Rocker panel to ground - front		8.1	7.8	8.1		9.2	9.5
H114	Hood at rear to ground	37.8	37.6	37.4	37.7		38.9	39.1
H115	Step height - front (design)							
H116	Step height - rear (design)							
H125	Headlamp to ground	27.0	26.7	26.6	27.1		28.2	28.4
H126	Tail lamp to ground	26.2	26.1	25.7	25.5		27.0	25.0
H130	Step height - front (curb)							
H131	Step height - rear (curb)							
H136	Body O line to ground - front	4.7	4.4	4.3	4.6		5.8	6.0
H137	Body O line to ground - rear	3.9	3.7	3.4	3.3		4.8	5.1

### CLEARANCES

H106	Angle of approach (degrees)	24.1	23.5	23.4	24.3		26.2	26.3
H107	Angle of departure (degrees)	15.4	15.2	14.7	14.4		12.1	12.4
H147	Ramp breakover angle (degrees)	9.1	8.3	8.0	8.3		10.5	11.3
H148	Front suspension to ground							
H149	Oil pan to ground							
H150	Flywheel housing to ground							
H151	Frame to ground							
H152	Exhaust system to ground							
H153	Rear axle to ground							
H154	Fuel tank to ground							
H155	Tire well to ground							
H156	Minimum ground clearance							

# VEHICLE WEIGHTS

## 300 DELUXE

MODEL SYMBOL		VEHICLE TYPE Description	SHIPPING WEIGHT			CURB WEIGHT		
6 Cyl.	V-8		Front	Rear	Total	Front	Rear	Total
13327	--	2-Door Coupe	1700	1335	3035	1680	1460	3140
--	13427		1805	1360	3165	1780	1485	3265
13369	--	4-Door Sedan	1735	1365	3100	1715	1490	3205
--	13469		1840	1390	3230	1820	1515	3335
13337	--	2-Door Sport Coupe	1725	1350	3075	1700	1480	3180
--	13437		1825	1380	3205	1805	1505	3310

## MALIBU

13569	--	4-Door Sedan	1750	1380	3130	1730	1505	3235
--	13669		1860	1405	3265	1840	1530	3370
13537	--	2-Door Sport Coupe	1735	1360	3095	1715	1485	3200
--	13637		1840	1390	3230	1820	1515	3335
13539	--	4-Door Sport Sedan	1765	1440	3205	1745	1565	3310
--	13639		1870	1470	3340	1850	1595	3445
13567	--	2-Door Convertible	1745	1430	3175	1725	1555	3280
--	13667		1850	1450	3300	1830	1575	3405

## NOMAD

13135	--	4-Door, 2-Seat Station Wagon	1630	1760	3390	1605	1890	3495
--	13235		1725	1790	3515	1700	1920	3620

## GREENBRIER

13335	--	4-Door, 2-Seat Station Wagon	1620	1825	3445	1600	1950	3550
--	13435		1755	1830	3585	1735	1955	3690
13346	--	4-Door, 3-Seat Station Wagon	1625	1990	3615	1605	2115	3720
--	13446		1720	2020	3740	1700	2145	3845

## CONCOURS

13536	--	4-Door, 2-Seat Station Wagon	1630	1915	3545	1610	2040	3650
--	13636		1730	1955	3685	1610	2080	3790
13546	--	4-Door, 3-Seat Station Wagon	1630	1995	3625	1610	2120	3730
--	13646		1730	2025	3755	1705	2155	3860

## CONCOURS ESTATE

--	13836	4-Door, 2-Seat Station Wagon	1730	1950	3680	1705	2075	3780
--	13846	4-Door, 3-Seat Station Wagon	1715	2015	3730	1695	2140	3835

## EL CAMINO

13380	--	2-Door Sedan Pickup	1700	1390	3090	1675	1515	3190
--	13480		1800	1415	3215	1780	1540	3320
13580	--		1715	1400	3115	1690	1530	3220
--	13680		1820	1430	3250	1795	1555	3350

**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.

## VEHICLE WEIGHTS—Cont'd

### OPTIONAL EQUIPMENT

RPO	OPTION	WEIGHT	
A31	Power Windows	+ 23	
A51	Astro Bucket Seats	+ 14	
A93	Vacuum Door Locks	2-Door	+ 8
		4-Door	+ 11
C06	Electric Folding Top	+ 9	
C08	Exterior Vinyl Roof Cover	+ 7	
C60	Air Conditioning	+ 93	
D55	Floor Console	+ 12	
J50	Power Brakes	+ 12	
J52	Disc Brakes	+ 39	
L22	250 Cu.In. L-6 Engine (155 HP)	+ 17	
LM1	350 Cu.In. V-8 Engine (255 HP)	+ 51	
L48	350 Cu.In. V-8 Engine (300 HP)	+ 51	
L35	396 Cu.In. V-8 Engine (325 HP)	+253	
L34	396 Cu.In. V-8 Engine (350 HP)	+249	
M20	4-Speed Transmission	+ 7	
M21	4-Speed Transmission (Close Ratio)	+ 7	
M22	4-Speed Transmission (Heavy Duty)	+ 6	
M35	Powerglide Transmission	6 Cyl.	- 15
		V-8	- 8
M38	Turbo Hydra-Matic Transmission	+ 24	
M40	Turbo Hydra-Matic Transmission	+ 47	
MC1	3-Speed Manual Transmission (Heavy Duty)	+ 19	
N40	Power Steering	+ 29	
U57	Tape Player	+ 17	
U63	AM Push Button Radio	+ 8	
U69	AM/FM Push Button Radio	+ 9	
U79	Radio Stereo	+ 13	
V55	Roof Luggage Carrier (Station Wagon)	+ 16	
ZJ6	Special Sport Sedan	+ 9	

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



# 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.** Mars, 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 DELUXE 133-13400 SERIES

MODELS			TRIM	INTERIOR COLORS' AND RPO NUMBERS		
27	37	69		Black	Medium Blue	Medium Green
X	X	X	Cloth	751	760	786
X	X	X	Vinyl	752		

**RPO EXTERIOR COLOR**

10	Tuxedo Black	X	X	X
50	Dover White	X	X	X
69	Cortez Silver	X	X	X
52	Garnet Red	X		
67	Burgundy Maroon	X		
65	Olympic Gold	X		
40	Buttermut Yellow	X		
63	Champagne	X		
61	Burnished Brown	X		
59	Frost Lime	X		X
57	Fathom Green	X		X
55	Azure Turquoise	X		
53	Glacier Blue	X	X	
51	Dusk Blue	X	X	
71	Le Mans Blue	X		

**TWO-TONE (Lower/Upper)**

53-50	Glacier Blue/Dover White	X		
53-51	Glacier Blue/Dusk Blue	X		
51-53	Dusk Blue/Glacier Blue	X		
65-50	Olympic Gold/Dover White	X		
61-63	Burnished Brown/Champagne	X		
55-50	Azure Turquoise/Dover White	X		

**RPO C08 Vinyl Roof Colors:**

- Black - Available with all exterior colors.
- Parchment - Available with all exterior colors.
- Dark Blue - Available with White, Silver, Blue and Dark Blue exterior colors.
- Dark Brown - Available with Gold, Yellow, Champagne and Dark Brown exterior colors.
- Midnight Green - Available with Black, White, Dark Green and Lime exterior colors.



# EXTERIOR-INTERIOR COLORS—Cont'd

## MALIBU 135-13600 SERIES

MODELS				TRIM	INTERIOR COLORS AND RPO NUMBERS						
37	39	67	69		Black	Dark Blue	Med. Green	Dark Green	Med. Turq.	Med. Red	Parch. Black
X	X		X	Cloth	753	762	783	782	779		
	X		X	Vinyl	755						
		X		Vinyl		764					
X	X			Vinyl			784	795			
X		X		Vinyl	755					787	790
	X			Cloth (a)	754	763		794			
X	X			Vinyl - Bucket Seat Opt.	756	765					
X				Vinyl - Bucket Seat Opt.			785	796			
X		X		Vinyl - Bucket Seat Opt.						788	791

### RPO EXTERIOR COLOR

10	Tuxedo Black	X	X	X	X	X	X	X	X
50	Dover White	X	X	X	X	X	X	X	X
69	Correz Silver	X	X			X	X	X	X
52	Garner Red	X						X	X
67	Burgundy Maroon	X						X	X
65	Olympic Gold	X							X
40	Butternut Yellow	X							X
63	Champagne	X							X
61	Burnished Brown	X							X
59	Frost Lime	X		X	X				X
57	Fathom Green	X		X	X				X
55	Azure Turquoise	X					X		X
53	Glacier Blue	X	X						X
51	Dusk Blue	X	X						X
71	Le Mans Blue	X							X
72	Orange (b)	X							X
76	Bright Yellow (b)	X							X

### TWO-TONE (Lower/Upper) (c)

53-50	Glacier Blue/Dover White	X							X
53-51	Glacier Blue/Dusk Blue	X							X
51-53	Dusk Blue/Glacier Blue	X							X
65-50	Olympic Gold/Dover White	X			X				X
61-63	Burnished Brown/Champagne	X							X
55-50	Azure Turquoise/Dover White	X					X		X

(a) Concours RPO ZJ6.

(b) Special order for SS Packages only.

(c) Not available on Convertible models.

Convertible Folding Top Colors - White, prod.; Black, RPO.

RPO C08 Vinyl Roof Colors: -

Black - Available with all exterior colors.

Parchment - Available with all exterior colors.

Dark Blue - Available with White, Silver, Blue and Dark Blue exterior colors.

Dark Brown - Available with Gold, Yellow, Champagne and Dark Brown exterior colors.

Midnight Green - Available with Black, White, Dark Green and Lime exterior colors.

## EXTERIOR-INTERIOR COLORS—Cont'd

### STATION WAGON SERIES

SERIES	MODEL			TRIM	INTERIOR COLORS AND RPO NUMBERS				
	35	36	46		Black	Med. Blue	Dark Blue	Dark Green	Saddle
Nomad 131-200	X	X		Vinyl	750	759			772
Greenbrier 133-400	X	X	X	Vinyl	752	761			773
Concours 135-600		X	X	Vinyl	755		764	795	770
Concours Estate 13800		X	X	Vinyl	755		764	795	770

#### RPO EXTERIOR COLOR

10	Tuxedo Black	X	X	X	X	X		
50	Dover White	X	X	X	X	X		X
69	Cortez Silver	X	X	X	X	X		
52	Garnet Red	X						
67	Burgundy Maroon	X						X
65	Olympic Gold	X						X
40	Butternut Yellow	X						X
63	Champagne	X						X
61	Burnished Brown	X						X
59	Frost Lime	X					X	
57	Fathom Green	X					X	X
55	Azure Turquoise	X						
53	Glacier Blue	X	X	X				
51	Dusk Blue	X	X	X				
71	Le Mans Blue	X						

# EXTERIOR-INTERIOR COLORS—Cont'd

## EL CAMINO 133-13400 SERIES

## EL CAMINO CUSTOM 135-13600 SERIES

SERIES	MODEL	TRIM	INTERIOR COLORS AND RPO NUMBERS			
	80		Black	Med. Blue	Dark Blue	Saddle
Standard	X	Vinyl	752	761		773
	X	Vinyl	755		764	770
Custom	X	Vinyl - Bucket Seat Opt.	756		765	
	X	Vinyl - Bucket Seat Opt.				771

### RPO EXTERIOR COLOR

RPO	EXTERIOR COLOR	Black	Med. Blue	Dark Blue	Saddle
10	Tuxedo Black	X	X	X	X
50	Dover White	X	X	X	X
69	Cortez Silver	X	X	X	
52	Garnet Red	X			
67	Burgundy Maroon	X			X
65	Olympic Gold	X			X
40	Buttermilk Yellow	X			X
63	Champagne	X			X
61	Burnished Brown	X			X
59	Frost Lime	X			
57	Fathom Green	X			X
55	Azure Turquoise	X			
53	Glacier Blue	X	X	X	
51	Dark Blue	X	X	X	
71	Le Mans Blue	X			

### RPO C08 Vinyl Roof Colors:

Black - Available with all exterior colors.

Parchment - Available with all exterior colors.

Dark Blue - Available with White, Silver, Blue and Dark Blue exterior colors.

Dark Brown - Available with Gold, Yellow, Champagne and Dark Brown exterior colors.

Midnight Green - Available with Black, White, Dark Green and Lime exterior colors.

# BODY CONSTRUCTION AND GLASS AREA

## GENERAL

Type ----- Unisteel, 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 plastic fender skirts on all except Station Wagons and Pickups.

## DOORS AND LOCKS

Door construction ----- Double steel panels, hinged at front  
 Door handles ----- Push-button with fork type door locks. Relocated inside push-button locks and 2-position free-wheeling inside door handles on all doors.  
 Door ventpanes ----- Crank operated except sport coupe and convertible models, which feature full door glass

## 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 air intake for passenger compartment -- 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 end of rocker inner panels. Astro Ventilation with instrument panel outlets standard on Sport Coupes and Convertibles.

## DUAL ACTION TAILGATE

Type ----- Standard on all except 2-Seat Greenbrier and Nomad. Two separate latches unlock the tail gate as a gate or door.

## SEAT CONSTRUCTION

Type ---- Front seat cushion  
 1.25 poly foam ----- 131-132-133-13400  
 1.75 poly foam ----- 135-136-13800  
 Rear seat cushion  
 Jute and cotton ----- 131-132-133-13400  
 1.00 poly foam ----- 135-136-13800  
 3rd seat cushion  
 0.75 poly pad ---- 133-134-135-136-13846

## WINDSHIELD WIPERS

Type ----- Concealed dual 2-speed electric for Malibu, Concours, Concours Estate Wagon, and Custom El Camino. Concealed feature optional for balance of line  
 Linkage ----- Parallel acting with articulated left arm for Malibu, Concours, Concours Estate Wagon and Custom El Camino -- optional for balance of line

## 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 VISIBILITY AREA

LOCATION	MODELS						
	27	69	37	39	67	35-36-46	80
Windshield	1290.4	1330.1	1290.4	1330.1	1288.9	1330.1	1290.4
Front							
Ventipane	88.0	90.0	---	97.8	---	90.0	88.8
Window	727.5	516.9	863.0	515.4	863.0	516.9	560.0
Rear Door Window	---	590.1	---	690.4	---	574.5	---
Rear Quarter Window	301.3	---	364.1	---	323.6	1238.5	---
Back Window	1059.4	1032.2	1059.4	757.0	539.7	757.0	695.4
Total Area (Sq. In.)	3466.6	3559.3	3576.9	3390.7	3015.2	4507.0	2634.6



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# CHASSIS

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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 convertible and sedan pickup are "C" shaped; convertible and sedan pickup have welded box construction members. Rear axle kick-up box welded construction. Rear of kickup "C" shaped. Body Mounting: Convertible - 12 biscuits; station wagon, sedan pickup and 4-dr sport sedan-8 biscuits +4 cushions; balance - 8 biscuits +2 cushions

Wheel travel (design)  
 Total ----- 7.92  
 Jounce ----- 3.92  
 Rebound ----- 4.00  
 Wheel to spring, travel ratio ----- 1.86

## 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-.7498  
 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 ----- To be provided  
 Lower ----- One bearing; steel

## SHOCK ABSORBERS

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

## STABILIZER BAR

Type ----- Link  
 Material ----- HR steel  
 Diameter ----- 0.937

## FRONT WHEEL ALIGNMENT (Curb)

Camber ----- 0° to P1°  
 Caster  
 All SS 396 and other sedan pickup models - N1° to 0°  
 Balance of models ----- N1-1/2° to N1/2°  
 Toe (Total) ----- 1/8 in. to 1/4 in., toe-in  
 S.A.I. ----- 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

Selected from a family of springs by Electronic Data Processing which identifies the correct spring for the weight of the vehicle including optional equipment ordered by the customer.

## TO BE PROVIDED

## STEERING, DRIVELINE, WHEELS AND TIRES

### MANUAL STEERING, REGULAR PRODUCTION

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

Ratios ----- Gear, 24:1; overall, 28.7:1

Turning diameters (ft) -----

  Outside front, wall to wall -----

  Outside front, curb to curb --- 112 WB-39; 116 WB-41

  Inside rear, wall to wall -----

  Inside rear, curb to curb -----

Number of wheel turns, lock to lock ----- 5.2

Outside wheel angle with inside wheel @ 20° ----- 18.6°

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

### 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, 21.6:1

Number of wheel turns, lock to lock ----- 3.8

### DRIVELINE

Type ----- Tubular, exposed

Number used ----- One

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

Length (C/L of U-Joints) for manual transmissions

  112 in. wheelbase ----- 56.34

  116 in. wheelbase ----- 60.14

Wall thickness ----- .065

Universal joints

  Type ----- Cross

  Number used ----- Two

  Bearings ----- Prepack, anti-friction

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

### WHEELS, REGULAR PRODUCTION

Type ----- Short spoke spider

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

Size ----- 14 x 5

Offset ----- 1.00

### WHEELS, DISC BRAKES

(Same as regular production except as follows)

Size ----- Except SS 396, 14 x 6; SS 396, 14 x 7

Offset ----- Except SS 396, 0.88; SS 396, 0.40

### WHEELS, RALLY-TYPE, RPO ZJ7

(Same as regular production except as follows)

Type ----- Short spoke spider with large  
ventilation slots

Size ----- 14 x 6

Offset ----- 0.50

### TIRES, REGULAR PRODUCTION

Construction ----- 2 Ply

Rating ----- 4 Ply rated (4 pr)

Sizes

  7.35-14 (all except SS 396 and Station Wagons)

    Static loaded radius ----- 12.1

    Loaded rev/mi @ 50 MPH ----- 803

    Capacity @ 24 PSI ----- 1160

  7.75-14 (Station Wagons)

    Static loaded radius ----- 12.4

    Loaded rev/mi @ 50 MPH ----- 779

    Capacity @ 24 PSI ----- 1270

  F70-14 (SS 396 Coupe and Convertible)

    Static loaded radius ----- 11.9

    Loaded rev/mi @ 50 MPH ----- 788

    Capacity @ 24 PSI ----- 1280

  G70-14 (SS 396 Sedan Pickup)

    Static loaded radius ----- 12.2

    Loaded rev/mi @ 50 MPH ----- 766

    Capacity @ 24 PSI ----- 1380



## 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	-----	
	2.73, 3.08, 3.36, 3.55, 3.70	----- 8.125
	2.56, 2.73, 3.07, 3.31, 3.55, 3.73, 4.10, 4.56, 4.88	-- 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

### 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

### RING AND PINION GEAR TOOTH COMBINATIONS

8.125 Ring Gear Diameter	-----	
2.73:1 ratio	-----	41, 15
3.08	-----	37, 12
3.36	-----	37, 11
3.55	-----	39, 11
3.70	-----	37, 10
8.875 Ring Gear Diameter	-----	
2.56	-----	41, 16
2.73	-----	41, 15
3.07	-----	43, 14
3.31	-----	43, 13
3.55	-----	39, 11
3.73	-----	41, 11
4.10	-----	41, 10
4.56	-----	41, 9
4.88	-----	39, 8

### POSITRACTION DIFFERENTIAL (see Power Trains)

Type	-----	Two pinion with single disk clutch
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### 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	--- Except wagon and pickup -----	8.80
	Wagon and pickup -----	8.23
Jounce	-- Except wagon and pickup -----	3.59
	Wagon and pickup -----	2.91
Rebound	-----	5.21
Wheel to spring, travel ratio	-----	1.06

### SHOCK ABSORBERS

Type	-----	Direct, double-acting, hydraulic; air booster type for Sedan Pickup.
Piston diameter	-----	1.00

### REAR SPRINGS

Selected from a family of springs by Electronic Data Processing which identifies the correct spring for the weight of the vehicle including optional equipment ordered by the customer.

TO BE PROVIDED

# BRAKES

## SERVICE BRAKES, REGULAR PRODUCTION

Type	Duo-servo 4-wheel hydraulic; dual circuit hydraulic system with warning lamp, and reverse self adjusting feature.
Line pressure at 100 lb pedal load	805
Braking ratios	
Pedal	6.32
Hydraulic	4.29
Overall	27.11
Wheel cylinder area distribution (percent)	59.0 F; 41.0 R
Brake drum	
Diameter	9.5
Construction	Composite, web cast into rim; finned front drums.
Material	
Web	HR steel
Rim	Cast iron alloy
Swept drum area	268.6
Brake lining	
Material	Compression molded asbestos composition wet rolled; grooved primary linings front and rear.
Length	
Primary, front and rear	9.01
Secondary, front and rear	9.75
Width	
Front linings	2.50
Rear linings	2.00
Thickness, minimum @ C/L	
Primary, front and rear	.17
Secondary, front and rear	.20
Method of attachment	Bonded
Total effective area	155.2
Master cylinder	
Piston diameter	1.00
Piston travel (with available pedal travel)	1.13
Wheel cylinders	
Piston diameter	
Front	1.125
Rear	.9375
Foot pedal travel	7.14

## PARKING BRAKE

Type	Mechanical: Pull rods and cables operate two rear service brakes; parking brake "ON" warning lamp provided.
Total effective area	68.2
Control	Pendulum foot pedal; released by T handle located below instru- ment panel to left of steering column.

## POWER BRAKES, RPO J50 (Same as regular production service brakes except as follows)

Type	Vacuum power unit added to assist master cylinder; integral system.
Pedal effort	Approximately 30 percent less than regular production ser- vice brakes at same deceleration rate
Braking ratios	
With regular production service brakes	
Pedal	3.53
Hydraulic	4.29
Overall	15.14
With front wheel disc brake system	
See front wheel disc brakes	
Master cylinder	
Piston travel (With available pedal travel)	1.44
Foot pedal travel	5.08

## FRONT WHEEL DISC BRAKES, RPO J52 (Regular produc- tion service brakes at rear wheels; power assist re- quired)

Type	Hub mounted front discs, with self- adjusting single piston caliper units mounted on the steering knuckle, a metering valve is pro- vided for balance between front and rear brakes
Braking ratios	
Pedal	3.53
Hydraulic	28.31
Overall	99.93
Total effective lining area, disc and drum	106.1
Gross lining area, disc and drum	118.1
Disc	
Diameter	11.0
Material	Cast iron
Swept area per disc	106.4
Swept disc and drum area	332.4
Disc lining	
Material	Wet compression molded asbestos composition,
Size	5.96 x 2.21 x .41
Method of attachment	Riveted
Total effective area per lining	9.5
Gross lining area per lining	10.6
Master cylinder	
Piston diameter	1.125
Piston travel (With available pedal travel)	1.44
Wheel cylinders	
Front calipers	
Number per wheel	1
Diameter	2.9375
Rear drums	
Diameter	.9375
Foot pedal travel	5.08

## BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray	1-1445	.7
Automatic transmission position pattern	Floor console, 2-1445	.7
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	1-1445	.7
Instrument cluster	10-1895	2
License plate, rear	1-67	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-1895	2
Parking		
Park		3
Turn	2-1157	32
Radio	1-1893	2
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Spot lamp		
Inside operated	1-4405	30W
Portable	1-4416	30W
Tail		
Tail		3
Stop and turn	2-1157	32
Temperature indicator	1-1895	2
Underhood	1-93	15

## FUSES AND CIRCUIT BREAKERS

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

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*								
			2.56:1	2.73:1	3.07:1	3.08:1	3.31:1	3.36:1	3.55:1	3.73:1	4.10:1
230 Cubic Inch L-6 Turbo-Thrift 230 140 HP Standard and 250 Cubic Inch L-6 Turbo-Thrift 250 155 HP RPO L22	3-Spd. (2.85:1 low) and H.D. 3-Spd. (3.03:1 low)	Sedans, Cpes. & Conv.				Std.		Perf.			
		With Air Conditioning						Std.	Perf.		
	Powerglide	Sta. Wags. & Pickups						Std.	Perf.		
		With Air Conditioning							Std.		
		Sedans, Cpes. & Conv.		Econ.		Std.		Perf.			
		With Air Conditioning				Econ.		Std.	Perf.		
Turbo Hydra-Matic	Sta. Wags. & Pickups				Econ.		Std.	Perf.			
	With Air Conditioning						Econ.	Std.			
307 Cubic Inch V-8 Turbo-Fire 307 200 HP Standard	3-Spd. (2.85:1 low) and H.D. 3-Spd. (3.03:1 low)	Sedans, Cpes. & Conv.		Econ.		Std.		Perf.			
		With Air Conditioning				Econ.		Std.	Perf.		
	4-Spd. (2.85:1 low)	Sta. Wags. & Pickups				Econ.		Std.	Perf.		
		With Air Conditioning						Econ.	Std.	Perf.	
	Powerglide	All Models				Econ.		Std.	Perf.		
		With Air Conditioning				Econ.		Std.	Perf.		
		Sedans, Cpes. & Conv.		Econ.		Std.		Perf.	Spcl.		
		With Air Conditioning				Econ.		Std.	Perf.		
	Turbo Hydra-Matic	Sta. Wags. & Pickups				Econ.		Std.	Perf.		
		With Air Conditioning						Econ.	Std.		
	350 Cubic Inch V-8 Turbo-Fire 350 255 HP RPO LM1 and 300 HP RPO L48	H.D. 3-Spd. (2.42:1 low) & 4-Spd. (2.52:1 low)	All Models				Econ.		Std.		Perf.
			With Air Conditioning				Econ.		Std.		Perf.
Powerglide		All Models	Econ.	Std.		Perf.		Spcl.			
		With Air Conditioning	Econ.	Std.		Perf.		Spcl.			
Turbo Hydra-Matic		Sedans, Cpes. & Conv.	Std.			Spcl.		Spcl.			
		With Air Conditioning	Std.			Spcl.		Spcl.			
396 Cubic Inch V-8 Turbo-Fire 396 325 HP RPO L35	H.D. 3-Spd. (2.42:1 low)	Sport Cpe., Convertible, Custom Pickup				Econ.		Std.		Perf.	
		With Air Conditioning				Econ.		Std.		Perf.	
	4-Spd. (2.52:1 low)	Sport Cpe., Convertible, Custom Pickup				Spcl.		Econ.		Std.	
		With Air Conditioning				Spcl.		Econ.		Std.	
	Turbo Hydra-Matic	Sport Cpe., Convertible, Custom Pickup		Spcl.	Econ.		Std.		Perf.		
		With Air Conditioning		Spcl.	Econ.		Std.		Perf.		
396 Cubic Inch V-8 Turbo-Fire 396 350 HP RPO L34	H.D. 3-Spd. (2.42:1 low) & 4-Spd. (2.52:1 low)	Sport Cpe., Convertible, Custom Pickup					Econ.		Std.	Perf.	
		With Air Conditioning					Econ.		Std.	Perf.	
	4-Spd. (2.20:1 low)	Sport Cpe., Convertible, Custom Pickup				Spcl.		Econ.		Std.	
		With Air Conditioning				Spcl.		Econ.		Std.	
	Turbo Hydra-Matic	Sport Cpe., Convertible, Custom Pickup				Spcl.		Econ.		Std.	
		With Air Conditioning				Spcl.		Econ.		Std.	

\*Positraction axle required for 3.73:1 and 4.10:1 ratio: available optionally for all other ratios

Std. - Standard  
 Econ. - Economy (optional)  
 Perf. - Performance  
 Spcl. - Special

## MULTIPLICATION FACTORS

### WITH MANUAL TRANSMISSIONS

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
230 Cu. In. L-6 140 HP Standard	Single Barrel	3-Speed	8.78	5.17	3.08		9.08	3.08
		H.D. 3-Speed	9.33	5.39	3.08		9.30	3.08
250 Cu. In. L-6 155 HP RPO L22	Single Barrel	3-Speed	8.78	5.17	3.08		9.08	3.08
		H.D. 3-Speed	9.33	5.39	3.08		9.30	3.08
307 Cu. In. V-8 200 HP Standard	2-Barrel	3-Speed	8.78	5.17	3.08		9.08	3.08
		H.D. 3-Speed	9.33	5.39	3.08		9.08	3.08
		4-Speed	9.58	6.79	4.54	3.36	9.58	3.36
350 Cu. In. V-8 255 HP RPO LMI	4-Barrel	H.D. 3-Speed	8.01	5.23	3.31		7.98	3.31
		4-Speed	8.34	6.22	4.83	3.31	8.57	3.31
350 Cu. In. V-8 300 HP RPO L48	4-Barrel	H.D. 3-Speed	8.01	5.23	3.31		7.98	3.31
		4-Speed	8.34	6.22	4.83	3.31	8.57	3.31
396 Cu. In. V-8 325 HP RPO L35	4-Barrel	H.D. 3-Speed	8.01	5.23	3.31		7.98	3.31
		4-Speed	8.95	6.67	5.18	3.55	9.19	3.55
396 Cu. In. V-8 350 HP RPO L34	4-Barrel	H.D. 3-Speed	8.59	5.61	3.55		8.55	3.55
		4-Speed (2.52:1)	8.95	6.67	5.18	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
230 Cu. In. L-6 140 HP Standard and 250 Cu. In. L-6 155 HP RPO L22	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
	Turbo Hydra-Matic	Drive	14.44:1 - 2.73:1	2.73:1
		Low	14.44:1 - 6.88:1	
		Second	14.44:1 - 4.15:1	
		Reverse	11.00:1 - 5.26:1	
307 Cu. In. V-8 200 HP Standard	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
	Turbo Hydra-Matic	Drive	14.44:1 - 2.73:1	2.73:1
		Low	14.44:1 - 6.88:1	
		Second	14.44:1 - 4.15:1	
		Reverse	11.06:1 - 5.26:1	
350 Cu. In. V-8 255 HP RPO LMI and 300 HP RPO L48	Powerglide	Drive	10.10:1 - 2.73:1	2.73:1
		Low & Reverse	10.10:1 - 4.80:1	
	Turbo Hydra-Matic	Drive	13.54:1 - 2.56:1	2.56:1
		Low	13.54:1 - 6.45:1	
		Second	13.54:1 - 3.89:1	
		Reverse	10.37:1 - 4.94:1	
396 Cu. In. V-8 325 HP RPO L35	Turbo Hydra-Matic	Drive	17.24:1 - 3.31:1	3.31:1
		Low	17.24:1 - 8.21:1	
		Second	17.24:1 - 4.90:1	
		Reverse	14.46:1 - 6.88:1	
396 Cu. In. V-8 350 HP RPO L48	Turbo Hydra-Matic	Drive	18.50:1 - 3.55:1	3.55:1
		Low	18.50:1 - 8.80:1	
		Second	18.50:1 - 5.25:1	
		Reverse	15.51:1 - 7.38:1	

\*Axle ratio x transmission ratio



# ENGINE DATA AND RATINGS

## GENERAL DATA

Engine Type		L6-OHV			V8-OHV			
Piston Displacement (Cu.In.)		230	250	307	350		396	
Availability		Base	RPO L22	Base	RPO LM1	RPO L48	RPO L35	RPO L34
Number of Cylinders		Six			Eight			
Bore (nominal)		3.875			4.00		4.094	
Stroke (nominal)		3.25	3.53	3.25	3.48		3.76	
Compression Ratio		8.5:1		9.00:1	9.00:1	10.25:1	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	3-Speed & 4-Speed (In neutral)	700			800			
	Powerglide (In drive)	550			600			
	3-Speed Automatic (In drive)	550			600			
	Turbo Hydra-Matic (In drive)				600			
Comp. Press. (PSI) @ Cranking Speed, Engine Hot		140			150		160	
Power Plant Mountings	Front	Two, combination compression & shear type						
	Rear	One, shear type						
Measurements	Fan to rear of engine block	35.41		29.85		31.89		
	Top of air cleaner to bottom of oil pan	27.19		29.23		29.27		
	Width - including air cleaner	25.25		27.98		30.00		

## ADVERTISED ENGINE RATING

Engine Designation	L6, 140 HP Turbo-Thrift 230 Cu.In.	L6, 155 HP Turbo-Thrift 250 Cu.In.	V8, 200 HP Turbo-Fire 307 Cu.In.	V8, 255 HP Turbo-Fire 350 Cu.In.	V8, 300 HP Turbo-Fire 350 Cu.In.	V8, 325 HP Turbo-Jet 396 Cu.In.	V8, 350 HP Turbo-Jet 396 Cu.In.
Availability	Standard	RPO L22	Standard	RPO LM1	RPO L48	RPO L35	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	200 @ 4600	255 @ 4800	300 @ 4800	325 @ 4800	350 @ 5200
Gross Torque @ RPM (lb-ft)	220 @ 1600	235 @ 1600	300 @ 2400	365 @ 3200	380 @ 3200	410 @ 3200	415 @ 3400

# ENGINE SPEED AND PISTON TRAVEL

## 230 CUBIC INCH SIX CYLINDER ENGINE

Transmission	3-Speed	Heavy Duty 3-Speed	Powerglide	Turbo Hydra-Matic	
Rear Axle Ratio	3.08:1 (a)			2.73:1	
Tire Size	7.35 x 14 (b)				
Crankshaft Revolutions per Mile	2436.3			2159.4	
Crankshaft RPM@1 MPH	Low	115.7	123.0	73.9	90.7
	Second	68.2	71.1		54.7
	Third	40.6	40.6	40.6 (direct)	36.0 (direct)
	Reverse	119.8	122.6	73.9	69.5
Piston Travel (ft/mile)	1319.7			1169.7	

(a) 3.36:1 on Station Wagons & Sedan Pickups. (b) 7.75 x 14 standard on Nomad Station Wagons;  
8.25 x 14 on other wagons

## 250 CUBIC INCH SIX CYLINDER ENGINE

Transmission	3-Speed	Heavy Duty 3-Speed	Powerglide	Turbo Hydra-Matic	
Rear Axle Ratio	3.08:1 (a)			2.73:1	
Tire Size	7.35 x 14 (b)				
Crankshaft Revolutions per Mile	2436.3			2159.4	
Crankshaft RPM@1 MPH	Low	115.7	123.0	73.9	90.7
	Second	68.2	71.1		54.7
	Third	40.6	40.6	40.6 (direct)	36.0 (direct)
	Reverse	119.8	122.6	73.9	69.5
Piston Travel (ft/mile)	1433.3			1271.3	

(a) 3.36:1 on Station Wagons & Sedan Pickups. (b) 7.75 x 14 standard on Nomad Station Wagons;  
8.25 x 14 on other wagons

## 307 CUBIC INCH V-8 ENGINE

Transmission	3-Speed	Heavy Duty 3-Speed	4-Speed	Powerglide	Turbo Hydra-Matic	
Rear Axle Ratio	3.08:1 (a)		3.36:1	3.08:1 (a)	2.73:1	
Tire Size	7.35 x 14 (b)					
Crankshaft Revolutions per Mile	2436.3		2657.8	2436.3	2159.4	
Crankshaft RPM @ 1 MPH	Low	115.7	123.0	126.2	73.9	90.7
	Second	68.2	71.1	89.5		54.7
	Third	40.6	40.6	59.8	40.6 (direct)	36.0 (direct)
	Fourth			44.3		
	Reverse	119.8	122.6	137.8	73.9	69.5
Piston Travel (ft/mile)	1319.7		1439.6	1319.7	1169.7	

(a) 3.36:1 on Station Wagons & Pickups (b) 7.75 x 14 standard on Nomad Station Wagons; 8.25 x 14  
on other wagons

## 350 CUBIC INCH V-8 ENGINES

Transmission	Heavy Duty 3-Speed	4-Speed	Powerglide	Turbo Hydra-Matic	
Rear Axle Ratio	3.31:1		2.73:1	2.56:1 (a)	
Tire Size	7.35 x 14 (b)				
Crankshaft Revolutions per Mile	2618.2		2159.4	2025.0	
Crankshaft RPM @ 1 MPH	Low	105.6	110.0	63.3	85.0
	Second	68.9	82.0		51.3
	Third	43.6	63.7	36.0 (direct)	33.7
	Fourth		43.6		
	Reverse	105.2	113.0	63.3	65.1
Piston Travel (ft/mile)	1518.6		1252.5	1174.5	

(a) 2.73:1 on Station Wagon & Pickups (b) 7.75 x 14 standard on Nomad Station Wagons;  
8.25 x 14 on other wagons

## 396 CUBIC INCH V-8 ENGINES

Transmission	RPO L35			RPO L34				
	H.D. 3-Spd.	4-Spd.	T/Hyd.	H.D. 3-Spd.	4-Spd. 2.52:1	4-Spd. 2.20:1	T/Hyd.	
Rear Axle Ratio	3.31:1	3.55:1	3.31:1	3.55:1				
Tire Size	F70 - 14 (a)							
Crankshaft Revolutions per Mile	2611.6	2800.9	2611.6	2800.9				
Crankshaft RPM @ 1 MPH	Low	105.3	117.6	107.9	113.0	117.6	102.7	115.8
	Second	68.8	87.8	64.4	73.8	87.8	76.6	69.1
	Third	43.5	68.2	43.5	46.7	68.2	59.2	46.7
	Fourth		46.7			46.7	46.7	
	Reverse	104.9	120.9	90.5	112.5	120.9	105.5	97.1
Piston Travel (ft/mile)	1636.6	1756.3	1636.6	1755.3				

(a) C70 - 14 on Sedan Pickups

# VEHICLE PERFORMANCE FACTORS

ENGINE	BASE 230 CU.IN. 140 HP	BASE 307 CU.IN. 200 HP	RPO LM1 350 CU.IN. 255 HP	RPO L35 396 CU.IN. 325 HP	RPO L34 396 CU.IN. 350 HP	BASE 230 CU.IN. 140 HP	BASE 307 CU.IN. 200 HP
MODEL	13369	13469	13469	13637	13637	13380	13480

## 3-SPEED TRANSMISSION

Performance Weight (pounds)	3805	3935				3490	3620
Pounds per Gross Horsepower	27.18	19.68				24.93	18.10
Pounds per Cu.In. Displacement	16.54	12.82				15.17	11.79
Gross HP per Cu.In. Displacement	.609	.651				.609	.651
Power Displacement (cu.ft./mile)	162.14	216.42				162.14	216.42
Displacement Factor (cu.ft./ton mile)	85.24	110.02				92.91	119.57

## HEAVY DUTY 3-SPEED TRANSMISSION

Performance Weight (pounds)	3824	3954	3986	4188	4174	3509	3639
Pounds per Gross Horsepower	27.31	19.77	15.63	12.89	11.93	25.06	18.20
Pounds per Cu.In. Displacement	16.63	12.88	11.39	10.58	10.54	15.26	11.85
Gross HP per Cu.In. Displacement	.609	.651	.729	.821	.884	.609	.651
Power Displacement (cu.ft./mile)	162.14	216.42	265.15	299.24	320.94	162.14	216.42
Displacement Factor (cu.ft./ton mile)	84.80	109.47	133.04	142.91	153.78	92.44	118.98

## 4-SPEED TRANSMISSION

Performance Weight (pounds)		3956	3993	4209	4181		3641
Pounds per Gross Horsepower		19.78	16.66	12.95	11.95		18.21
Pounds per Cu.In. Displacement		12.89	11.41	10.63	10.56		11.86
Gross HP per Cu.In. Displacement		.651	.729	.821	.884		.651
Power Displacement (cu.ft./mile)		236.09	265.15	320.94	320.94		236.09
Displacement Factor (cu.ft./ton mile)		119.36	132.84	152.53	153.56		129.72

## TURBO HYDRA-MATIC

Performance Weight (pounds)	3829	3959	4010	4235	4221	3514	3644
Pounds per Gross Horsepower	27.35	19.80	15.73	13.03	12.06	25.10	18.22
Pounds per Cu.In. Displacement	16.65	12.90	11.46	10.69	10.66	15.28	11.87
Gross HP per Cu.In. Displacement	.609	.651	.729	.821	.884	.609	.651
Power Displacement (cu.ft./mile)	143.71	191.82	205.07	299.24	320.94	143.71	191.82
Displacement Factor (cu.ft./ton mile)	75.08	96.93	102.28	141.35	152.10	81.80	105.28

## POWERGLIDE

Performance Weight (pounds)	3790	3927	3981			3475	3612
Pounds per Gross Horsepower	27.07	19.64	15.61			24.82	18.06
Pounds per Cu.In. Displacement	16.48	12.79	11.37			15.11	11.76
Gross HP per Cu.In. Displacement	.609	.651	.729			.609	.651
Power Displacement (cu.ft./mile)	162.14	216.42	218.69			162.14	216.42
Displacement Factor (cu.ft./ton mile)	82.56	110.19	109.90			93.34	119.83

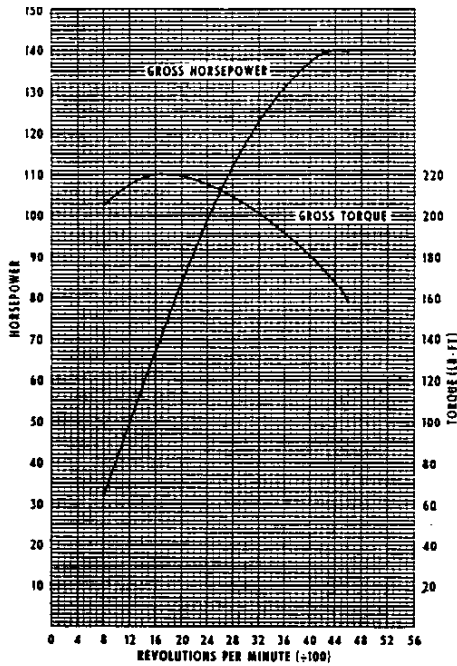
## GLOSSARY

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

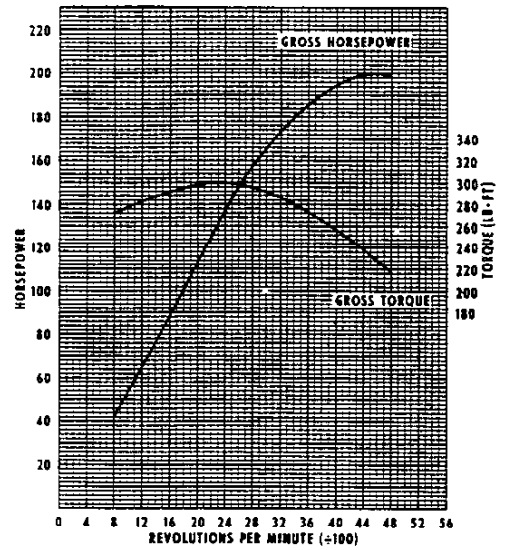
\* Models 13380 & 13480 two passengers, 300 lbs.

# ENGINE OUTPUT CURVES

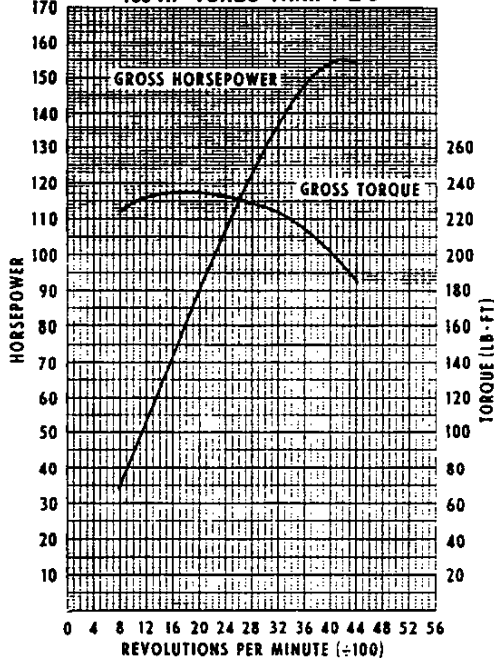
140 HP TURBO-THRIFT L-6



200 HP TURBO-FIRE V-8



155 HP TURBO-THRIFT L-6



255 HP TURBO-FIRE V-8

TO BE PROVIDED

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,

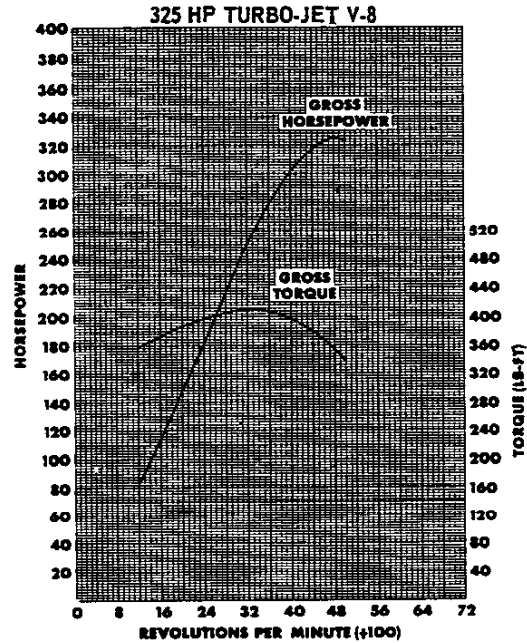
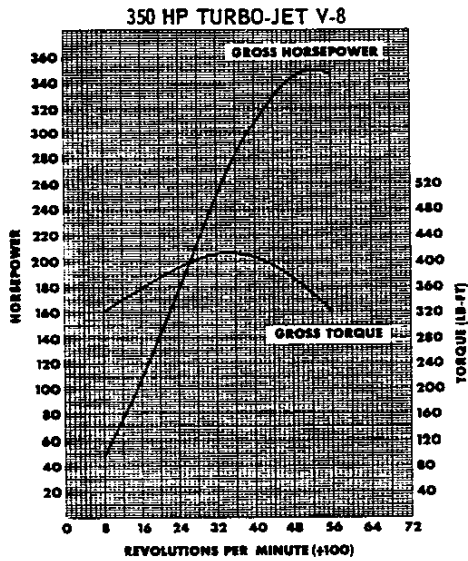
no fan, generator not charging, optimum spark advance, and optimum fuel setting.

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.

300 HP TURBO-FIRE V-8

TO BE  
PROVIDED



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
V8-307 Cu.In.	-----	3.8745-3.8775
V8-350 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
V8-307 & 350 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.
V8-307 & 350 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.
V8-307 Cu.In.	-----	5.02 Cu.In.
V8-350 Cu.In. (RPO LM1)	-----	5.58 Cu.In.
V8-350 Cu.In. (RPO L48)	-----	4.83 Cu.In.
V8-396 Cu.In. (RPO L35)	-----	5.61 Cu.In.
V8-396 Cu.In. (RPO L34)	-----	5.61 Cu.In.

## INLET MANIFOLD

Material	-----	Cast alloy iron
Type		
L6-230 & 250 Cu.In.	----	3 port, rectangular section
V8-307, 350 & 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
V8-307 & 350 Cu.In.	---	Dual, 4 port, rear downtake
V8-396 Cu.In.	-----	Dual, 4 port, rear downtake
Outlet Diameter	-----	2.0, (V8-396) 2.5

## CRANKSHAFT

Material		
L6-230 & 250 Cu.In.	-----	Cast nodular iron
V8-307 & 350 Cu.In.	-----	Cast nodular iron
V8-396 Cu.In. (RPO L35)	-----	Nodular iron
V8-396 Cu.In. (RPO L34)	-----	Forged steel
End Play		
L6-230 & 250 Cu.In.	-----	.002-.006
V8-307 & 350 Cu.In.	-----	.002-.006
V8-396 Cu.In.	-----	.006-.010
Counter Weights		
L6-230 Cu.In.	-----	4
L6-250 Cu.In.	-----	12
V8-307, 350 & 396 Cu.In.	-----	6
Crank Arm Length		
L6-230 Cu.In.	-----	1.625
L6-250 Cu.In.	-----	1.765
V8-307 Cu.In.	-----	1.625
V8-350 Cu.In.	-----	1.74
V8-396 Cu.In.	-----	1.88
Torsional Damper	-----	Rubber mounted inertia
Timing Gear		
L6	-----	Steel; helical cut
V8	-----	Steel; sprocket & chain
Pulley Pitch Diameter	-----	6.64

## MAIN BEARINGS

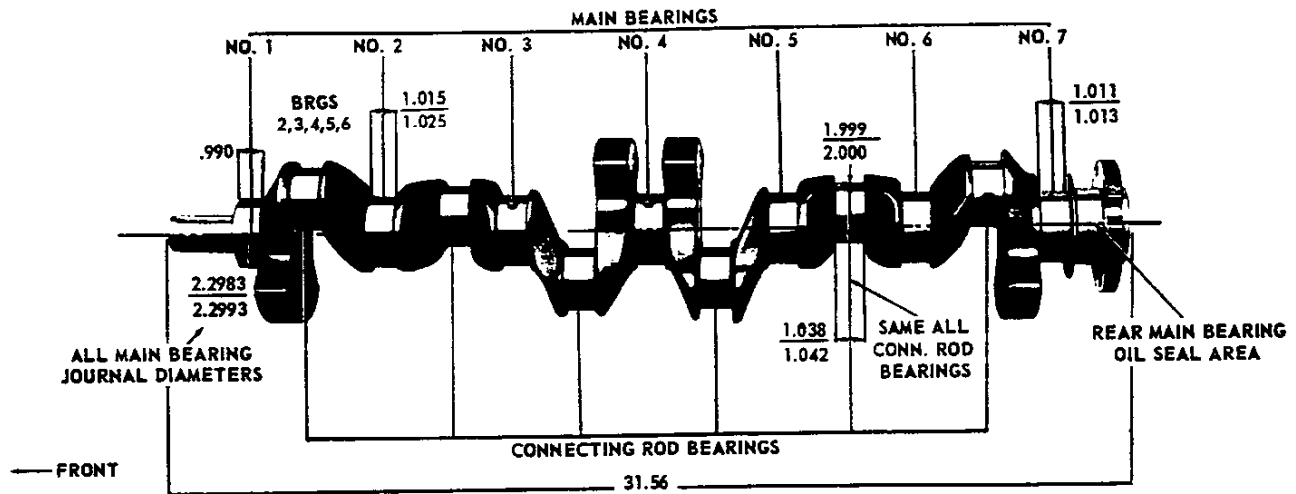
Material	-----	Steel, backed insert (selected bearing material -- copper lead alloy or premium aluminum -- for intended engine operation & application)
Type ----- Precision removable		
Thrust Against Bearing No.	-----	L6-No. 7; V8-No. 5
Clearance		
L6-230 & 250 Cu.In.	-----	.0003-.0029
V8-307 & 350 Cu.In.	-----	(#1) .0008-.0020; (#2-3-4) .0008-.0024; (#5) .0015-.0031
V8-396 Cu.In.	-----	(#1 & 2) .0010-.0020; (#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
V8-307 Cu.In.			
Bearing #1	2.4502	.752	1.8425
Bearing #2-4	2.4505	.752	1.8428
Bearing #5	2.4507	1.177	2.8844
V8-350 Cu.In.			
Bearing #1	2.4502	.752	1.8425
Bearing #2-4	2.4505	.752	1.8428
Bearing #5	2.4507	1.177	2.8844
V8-396 Cu.In.			
Bearing #1-2	2.7507	.992	2.7287
Bearing #3-4	2.7505	.992	2.7287
Bearing #5	2.7506	1.2525	3.4451

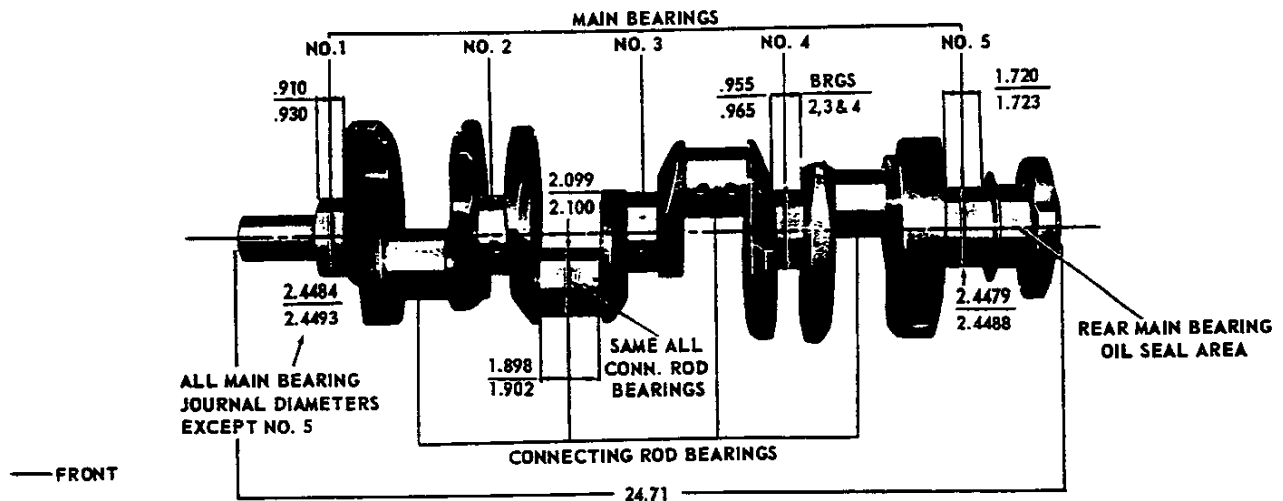
# PRINCIPAL COMPONENTS

## CRANKSHAFTS AND BEARINGS

### 230 CUBIC INCH SIX CYLINDER ENGINE



### 307 and 350 CUBIC INCH V-8 ENGINES



<b>CAMSHAFT</b>		
Material	-----	Cast alloy iron
Drive		
L6	-----	Gear; bakelite and fabric composition
V8	-----	Sprocket & chain; steel
<b>Lobe Lift</b>		
L6-230 Cu.In.	-----	.1896 Inlet & Exhaust
L6-250 Cu.In.	-----	.2217 Inlet & Exhaust
V8-307 & 350 Cu.In.	-----	.2600 Inlet; .2733 Exhaust
V8-396 Cu.In. (RPO L35)	-----	.2343 Inlet & Exhaust
V8-396 Cu.In. (RPO L34)	-----	.2714 Inlet; .2824 Exhaust
Camshaft Bearings	-----	Steel backed babbit

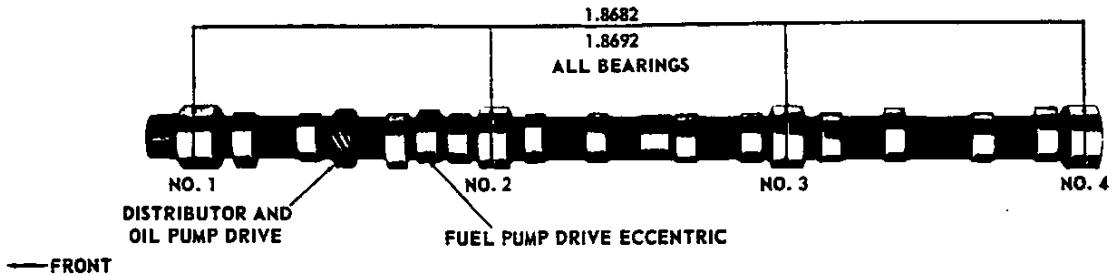
<b>Push Rods</b>		
Type	-----	Hollow steel
Ends	-----	Hardened
V8-396 Cu.In.	-----	Hardened steel inserts

<b>VALVE SPRINGS</b>		
<b>Diameter</b>		
L6-230 & 250 Cu.In.	-----	.872-.888
V8-307 & 350 Cu.In.	-----	.868-.884
V8-396 Cu.In.	-----	1.082-1.098
<b>Installed Length (lb. @ in.)</b>		
<b>Valves closed</b>		
L6-230 & 250 Cu.In.	-----	56-64 @ 1.66
V8-307 & 350 Cu.In.	-----	76-84 @ 1.70
V8-396 Cu.In.	-----	94-106 @ 1.88
<b>Valves opened</b>		
L6-230 & 250 Cu.In.	-----	180-192 @ 1.27
V8-307 & 350 Cu.In.	-----	194-206 @ 1.25
V8-396 Cu.In.	-----	303-327 @ 1.38
<b>Free Length</b>		
L6-230 & 250 Cu.In.	-----	1.90
V8-307 & 350 Cu.In.	-----	2.03
V8-396 Cu.In.	-----	2.09
<b>Valve Spring Damper</b>		
L6-230 & 250 Cu.In.	-----	None
V8-307 & 350 Cu.In.	-----	Flat steel, 4 coils
V8-396 Cu.In.	-----	Flat steel, 3.62 coils
Oil Shield	-----	Steel cup

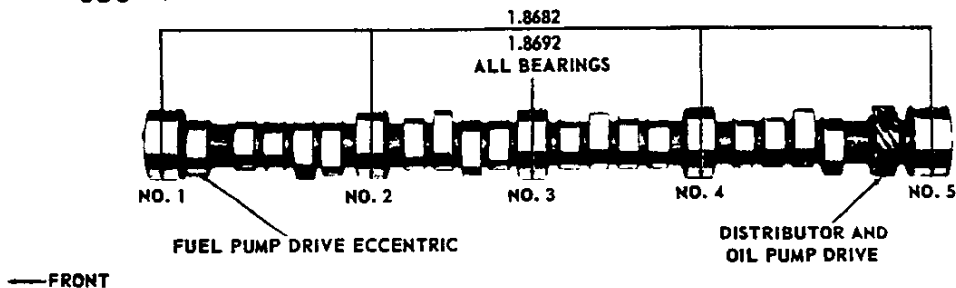
<b>VALVE TRAIN</b>		
Type	-----	Individually mounted, overhead rocker arms, push rod actuated
Lifters	-----	Hydraulic
Rocker Arms	-----	Stamped steel
<b>Ratio</b>		
L6-230 & 250 Cu.In.	-----	1.75:1
V8-307 & 350 Cu.In.	-----	1.50:1
V8-396 Cu.In.	-----	1.70:1

## CAMSHAFT AND BEARINGS

### 230 CUBIC INCH L-6 ENGINE



### 307 and 350 CUBIC INCH V-8 ENGINES

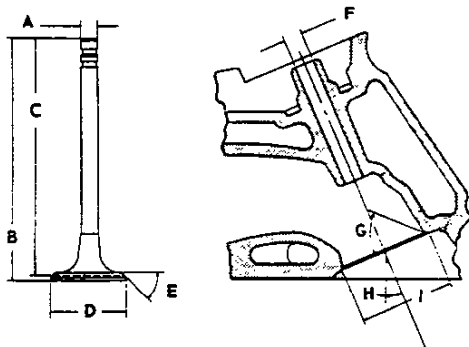




# PRINCIPAL COMPONENTS—Cont'd.

## INLET VALVES

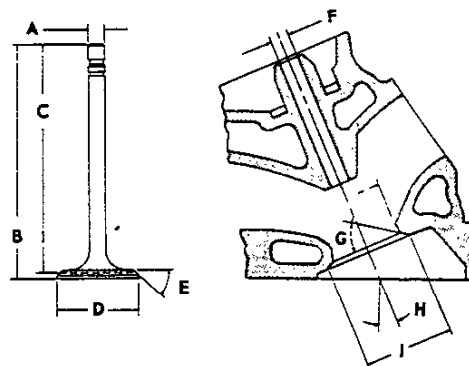
Material	-----	Alloy steel
Coating		
L6-230 & 250 Cu.In.	-----	Aluminized face
V8-307 & 350 Cu.In.	-----	None
V8-396 Cu.In.	-----	Aluminized face
Valve Guide Inserts (V8-396)	-----	Cast alloy iron



<b>A - Stem Diameter</b>		
L6-230 & 250 Cu.In.	-----	.3410-.3417
V8-307 & 350 Cu.In.	-----	.3410-.3417
V8-396 Cu.In.	-----	.3715-.3722
<b>B - Overall Length</b>		
L6-230 & 250 Cu.In.	-----	4.902-4.922
V8-307 Cu.In.	-----	4.902-4.922
V8-350 Cu.In.	-----	4.870-4.889
V8-396 Cu.In.	-----	5.215-5.235
<b>C - Gage Length</b>		
L6-230 & 250 Cu.In.	-----	4.785-4.795
V8-307 & 350 Cu.In.	-----	4.785-4.795
V8-396 Cu.In.	-----	5.115-5.125
<b>D - Overall Head Diameter</b>		
L6-230 & 250 Cu.In.	-----	1.715-1.725
V8-307 Cu.In.	-----	1.715-1.725
V8-350 Cu.In.	-----	1.935-1.945
V8-396 Cu.In.	-----	2.060-2.070
E - Angle of Face	-----	45°
<b>F - Guide Diameter</b>		
L6-230 & 250 Cu.In.	-----	.3427-.3437
V8-307 & 350 Cu.In.	-----	.3427-.3437
V8-396 Cu.In.	-----	.3732-.3742
G - Angle of Seat	-----	46°
<b>H - Valve Angle</b>		
L6-230 & 250 Cu.In.	-----	9°
V8-307 & 350 Cu.In.	-----	23°
V8-396 Cu.In.	-----	4°
<b>I - Valve Seat (cutter) Diameter</b>		
L6-230 & 250 Cu.In.	-----	1.770-1.790
V8-307 Cu.In.	-----	1.990-2.010
V8-350 Cu.In.	-----	1.990-2.010
V8-396 Cu.In.	-----	2.150

## EXHAUST VALVES

Material	-----	High alloy steel
Coating		
L6-230 & 250 Cu.In.	-----	Aluminized face
V8-307 & 350 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>		
L6-230 & 250 Cu.In.	-----	.3410-.3417
V8-307 & 350 Cu.In.	-----	.3410-.3417
V8-396 Cu.In.	-----	.3713-.3720
<b>B - Overall Length</b>		
L6-230 & 250 Cu.In.	-----	4.913-4.933
V8-307 Cu.In.	-----	4.913-4.933
V8-350 Cu.In.	-----	4.913-4.933
V8-396 Cu.In.	-----	5.345-5.365
<b>C - Gage Length</b>		
L6-230 & 250 Cu.In.	-----	4.781-4.791
V8-307 & 350 Cu.In.	-----	4.781-4.791
V8-396 Cu.In.	-----	5.235-5.245
<b>D - Overall Head Diameter</b>		
L6-230 & 250 Cu.In.	-----	1.495-1.505
V8-307 Cu.In.	-----	1.495-1.505
V8-350 Cu.In.	-----	1.495-1.505
V8-396 Cu.In.	-----	1.715-1.725
E - Angle of Face	-----	45°
<b>F - Guide Diameter</b>		
L6-230 & 250 Cu.In.	-----	.3427-.3437
V8-307 & 350 Cu.In.	-----	.3427-.3437
V8-396 Cu.In.	-----	.3732-.3742
G - Angle of Seat	-----	46°
<b>H - Valve Angle</b>		
L6-230 & Cu.In.	-----	9°
V8-307 & 350 Cu.In.	-----	23°
V8-396 Cu.In.	-----	4°
<b>I - Valve Seat (cutter) Diameter</b>		
L6-230 & 250 Cu.In.	-----	1.550-1.570
V8-307 Cu.In. (RPO L73)	-----	1.550-1.570
V8-350 Cu.In.	-----	1.550-1.570
V8-396 Cu.In.	-----	1.625

**VALVE LIFT**

L6-230 Cu.In. ....	.3317 Inlet & Exhaust
L6-250 Cu.In. ....	.3880 Inlet & Exhaust
V8-307 & 350 Cu.In. ....	.3900 Inlet; .4100 Exhaust
V8-396 Cu.In. (RPO L35) .....	.3983 Inlet & Exhaust
V8-396 Cu.In. (RPO L34) ----	.4614 Inlet; .4800 Exhaust

**VALVE TIMING (Crankshaft degrees)**

L6-230 & 250 Cu.In.	Excluding Ramps	Including Ramps
<b>Inlet Valve (Zero lash)</b>		
Opens - BTC	16°	62°
Closes - ABC	48°	94°
Duration	244°	336°
<b>Exhaust Valve (Zero lash)</b>		
Opens - BBC	46° 30'	92° 30'
Closes - ATC	17° 30'	63° 30'
Duration	244°	336°
<b>V8-307 &amp; 350 Cu.In.</b>		
<b>Inlet Valve (Zero lash)</b>		
Opens - BTC	28°	38°
Closes - ABC	72°	92°
Duration	280°	310°
<b>Exhaust Valve (Zero lash)</b>		
Opens - BBC	78°	88°
Closes - ATC	30°	52°
Duration	288°	320°
<b>V8-396 Cu.In. (RPO L35)</b>		
<b>Inlet Valve (Zero lash)</b>		
Opens - BTC	28°	40°
Closes - ABC	78°	102°
Duration	286°	322°
<b>Exhaust Valve (Zero lash)</b>		
Opens - BBC	75°	87°
Closes - ATC	31°	55°
Duration	286°	322°
<b>V8-396 Cu.In. (RPO L34)</b>		
<b>Inlet Valve (Zero lash)</b>		
Opens - BTC		56°
Closes - ABC		114°
Duration		350°
<b>Exhaust Valve (Zero lash)</b>		
Opens - BBC		110°
Closes - ATC		62°
Duration		352°

**PISTONS**

Material .....	Cast aluminum alloy
<b>Head Type</b>	
L6-230 & 250 Cu.In. ....	Flat, notched
V8-350 Cu.In. ....	Flat, notched
V8-396 Cu.In. ....	Domed head, valve cutout
Skirt Type .....	Slipper
<b>Top Land Clearance</b>	
L6-230 & 250 Cu.In. ....	.0345-.0435
V8-307 Cu.In. ....	.0235-.0325
V8-350 Cu.In. ....	.0235-.0325
V8-396 Cu.In. ....	.0304-.0374
<b>Skirt Clearance</b>	
L6-230 & 250 Cu.In. ....	.0005-.0011
V8-307 Cu.In. ....	.0005-.0011
V8-350 Cu.In. ....	.0007-.0013
V8-396 Cu.In. ....	.0011-.0018
<b>Compression Ring Groove Depth</b>	
L6-230 & 250 Cu.In. ....	.2153-.2218
V8-307 Cu.In. ....	.2113-.2178
V8-350 Cu.In. ....	.2218-.2283
V8-396 Cu.In. ....	.2253-.2317
<b>Oil Ring Groove Depth</b>	
L6-230 & 250 Cu.In. ....	.2093-.2158
V8-307 Cu.In. ....	.2053-.2118
V8-350 Cu.In. ....	.2038-.2103
V8-396 Cu.In. ....	.2098-.2163
Pin Bore Offset .....	.055-.065
<b>Compression Height</b>	
L6-230 & 250 Cu.In. ....	1.658-1.662
V8-307 Cu.In. ....	1.673-1.677
V8-350 Cu.In. ....	1.563-1.567
V8-396 Cu.In. ....	1.953-1.957

**PISTON PINS**

Material .....	Chromium steel
<b>Length</b>	
L6-230 & 250 Cu.In. ....	2.990-3.010
V8-307 & 350 Cu.In. ....	2.990-3.010
V8-396 Cu.In. ....	2.930-2.950
<b>Diameter</b>	
L6-230 & 250 Cu.In. ....	.9270-.9273
V8-307 & 350 Cu.In. ....	.9270-.9273
V8-396 Cu.In. ....	.9895-.9893
<b>Clearance in Piston</b>	
L6-230 & 250 Cu.In. ....	.00015-.00025
V8-307 & 350 Cu.In. ....	.00015-.00025
V8-396 Cu.In. ....	.00025-.00035

# PRINCIPAL COMPONENTS—Cont'd.

## COMPRESSION RINGS - UPPER

Material	-----	Cast alloy iron
Type	-----	Inside bevel on L6-230 only (bottom of ring 30 degrees to piston vertical axis)
Face		
L6-230 Cu.In.	-----	Tapered
L6-250 Cu.In.	-----	Barrel
V8-307 & 350 Cu.In.	-----	Barrel
V8-396 Cu.In.	-----	Barrel
Coating		
L6-230 & 250 Cu.In.	-----	Chrome plate face
V8-307 & 350 Cu.In.	-----	Chrome plate face
V8-396 Cu.In.	-----	Molybdenum inlay
Width		
L6-230 Cu.In.	-----	.0775-.0780
L6-250 Cu.In.	-----	.0628-.0633
V8-307 & 350 Cu.In.	-----	.0775-.0780
V8-396 Cu.In.	-----	.0770-.0775
Wall Thickness		
L6-230 Cu.In.	-----	.179-.194
L6-250 Cu.In.	-----	.184-.194
V8-307 Cu.In.	-----	.184-.194
V8-350 Cu.In.	-----	.190-.200
V8-396 Cu.In.	-----	.194-.204
Gap	-----	.010-.020

## COMPRESSION RINGS - LOWER

Material	-----	Cast alloy iron
Type	-----	Inside bevel (top of ring 30 degrees to piston vertical axis) 50 degrees for V8-306
Face	-----	Tapered
Coating		
L6-230 & 250 Cu.In.	-----	Wear resistant
V8-307 & 350 Cu.In.	-----	Wear resistant
V8-396 Cu.In.	-----	Chrome plated
Width		
L6-230 Cu.In.	-----	.0770-.0780
L6-250 Cu.In.	-----	.0623-.0633
V8-307 Cu.In.	-----	.0770-.0780
V8-350 & 396 Cu.In.	-----	.0770-.0775
Wall Thickness		
L6-230 & 250 Cu.In.	-----	.184-.194
V8-307 Cu.In.	-----	.184-.194
V8-350 Cu.In.	-----	.190-.200
V8-396 Cu.In.	-----	.194-.204
Gap		
L6-230 & 250 Cu.In.	-----	.010-.020
V8-307 Cu.In.	-----	.010-.020
V8-350 Cu.In.	-----	.013-.025
V8-396 Cu.In.	-----	.010-.020

## OIL CONTROL RINGS

Type	-----	Multi-piece (two rails and one spacer)
Material		
Rails	-----	Steel
Spacer	-----	Alloy steel
Width (assembled)		
L6-230 & 250 Cu.In.	-----	.1870-.1890
V8-307 & 350 Cu.In.	-----	.1870-.1890
V8-396 Cu.In.	-----	.1820-.1890
Wall Thickness		
L6-230 Cu.In.	-----	.150-.156
L6-250 Cu.In.	-----	.152-.158
V8-307 & 350 Cu.In.	-----	.150-.156
V8-396 Cu.In.	-----	.137-.143
Gap		
L6-230 & 250 Cu.In.	-----	.015-.055
V8-307 & 350 Cu.In.	-----	.015-.055
V8-396 Cu.In.	-----	.010-.030
Rail Coatings	-----	Chrome plated

## CONNECTING RODS

Material	-----	Drop forged steel
Length (center to center)		
L6-230 & 250 Cu.In.	-----	5.695-5.705
V8-396 Cu.In.	-----	6.130-6.140
V8-307 & 350 Cu.In.	-----	5.695-5.705

## CONNECTING ROD BEARINGS

Material		
L6-230, 250 & V8-307 Cu.In.	-----	Copper lead alloy or sintered copper nickel backed babbitt on steel
V8-350 & 396 Cu.In.	-----	Premium aluminum
Type	-----	Precision removable
Clearance		
L6-230 & 250 Cu.In.	-----	.0007-.0027
V8-307 & 350 Cu.In.	-----	.0007-.0027
V8-396 Cu.In.	-----	.0009-.0029
Theoretical I.D.		
L6-230 & 250 Cu.In.	-----	2.0017
V8-307 & 350 Cu.In.	-----	2.1017
V8-396 Cu.In.	-----	2.2014
Effective Length		
L6-230 & 250 Cu.In.	-----	.807
V8-327 & 350 Cu.In.	-----	.807
V8-396 Cu.In.	-----	.857
End Play		
L6-230 & 250 Cu.In.	-----	.009-.013
V8-307 & 350 Cu.In.	-----	.009-.013
V8-396 Cu.In.	-----	.017-.021

# 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	Paper
V8-396 Cu.In. (additional)	In-line paper element with vacuum return fuel line

## FUEL PUMP ASSEMBLY

Type	Mechanical; diaphragm
Drive	Camshaft, eccentric
Location	Right side front of engine
Pressure Range (shut off pressure at 1800 RPM)	
L6-230 & 250 Cu.In.	4.00-5.00 PSI at pump outlet
V8-307 Cu.In.	5.50-7.50 PSI at pump outlet
V8-350 & 396 Cu.In.	7.50-9.00 PSI at pump outlet

## AIR CLEANER

L6-230 & 250 Cu.In.	Cylindrical, single air born
V8-307 Cu.In.	Cylindrical, single air horn
V8-350 Cu.In.	Cylindrical, single air horn
V8-396 Cu.In. (RPO L35)	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
V8-307 Cu.In.	13.00
V8-350 Cu.In.	15.48
V8-396 Cu.In. (RPO L35)	15.48
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, Monojet
V8-307 Cu.In.	Rochester, 2-barrel, downdraft
V8-350 Cu.In.	Rochester, Quadrajct
V8-396 Cu.In.	Rochester, Quadrajct

## SAE Flange Type

L6-230 & 250 Cu.In.	1.50
V8-307 Cu.In.	1.25
V8-350 Cu.In.	1.50
V8-396 Cu.In.	1.50

## Throttle Bore

L6-230 & 250 Cu.In.	1.69
V8-307 Cu.In.	1.44
V8-350 Cu.In.	

Primary	1.38
Secondary	2.25

V8-396 Cu.In.	
Primary	1.38
Secondary	2.25

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

## Venturi Diameter

L6-230 & 250 Cu.In.	1.31
V8-307 Cu.In.	1.09
V8-350 Cu.In.	
Primary	1.09
Secondary	Air valve
V8-396 Cu.In.	
Primary	1.09
Secondary	Air valve

## CHOKE

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

# EXHAUST AND VENTILATION SYSTEM

## TYPE

L6-230 & 250 Cu.In.	-----	Single
V8-307 & 350 Cu.In.	-----	Single
		with crossover pipes
V8-396 Cu.In. (RPO L35)	-----	Dual
V8-396 Cu.In. (RPO L34)	---	Dual, chambered exhaust

## MUFFLERS

Type	-----	Oval, reverse flow
Construction	-----	Heads and body joined by rolled lock seam construction
Head		
L6-230 & 250 Cu.In.	-- .048	sheet steel, aluminized
V8-307 Cu.In.	----- .047	sheet steel, aluminized
V8-350 Cu.In.	----- .060	sheet steel, aluminized
V8-396 Cu.In. (RPO L35)		
Left hand	----- .060	sheet steel, aluminized
Right hand	----- .060	stainless steel
Shell		
L6-230 & 250 Cu.In.	- .035	sheet steel, zinc coated
V8-307 Cu.In.	----- .035	sheet steel, zinc coated
V8-350 Cu.In.	----- .035	sheet steel, zinc coated
V8-396 Cu.In. (RPO L35)		
Left hand	----- .036	sheet steel, zinc coated
Right hand	----- .036	stainless steel
Wrap	----- .030	indented asbestos sheet
Cover	----- .018	sheet steel, aluminized
Baffles		
L6-230 & 250 Cu.In.		
No. 1 & 4	----- .048	sheet steel, zinc coated
No. 2 & 3	----- .036	sheet steel, zinc coated
V8-307 & 350 Cu.In.		
No. 1 & 4	----- .047	sheet steel, zinc coated
No. 2 & 3	----- .035	sheet steel, zinc coated
V8-396 Cu.In. (RPO L35)		
Left hand		
No. 1 & 4	----- .047	sheet steel, zinc coated
No. 2 & 3	----- .036	sheet steel, zinc coated
Right hand		
No. 1, 2, 3 & 4	----- .036	stainless steel
Length, Body		
L6-230 & 250 Cu.In.	-----	21.62
V8-307, 350 & 396 Cu.In. (RPO L35)	-----	21.25
Width (I.D.)	-----	9.25
Height (I.D.)	-----	5.00

## EXHAUST CROSSOVER PIPE (V8-307 & 350 Cu.In.)

Dimensions (O.D.)	-----	2.00
Wall Thickness	-----	.073-.091 laminated

## CHAMBERED EXHAUST SYSTEM (V8-396 Cu.In. RPO L34)

Length, Body	-----	45.00
Louvers		
Front	-----	eleven, 20 rows
Rear	-----	twenty-four, 8 rows
Material	-----	.076 sheet steel, aluminized
Outer shell		
Material	-----	.060 sheet steel, aluminized

## EXHAUST PIPE

Dimensions (O.D.)		
L6-230 & 250 Cu.In.	-----	2.00
V8-307 Cu.In.	-----	2.00
V8-350 & 396 Cu.In. (RPO L35)	-----	2.50
V8-396 Cu.In. (RPO L34)		
Front	-----	2.25
Rear	-----	2.00
Wall Thickness		
L6-230 & 250 Cu.In.	-----	.057-.071
V8-307 Cu.In.	-----	.073-.091 laminated
V8-350 & 396 Cu.In. (RPO L35)	--	.073-.091 laminated
V8-396 Cu.In. (RPO L34)		
Front	-----	.072-.092
Rear	-----	.062-.076

## TAIL PIPES

Dimensions (O.D.)		
L6-230 & 250 Cu.In.	-----	1.875
V8-307 Cu.In.	-----	1.875
V8-350	-----	1.875
V8-396 Cu.In. (RPO L35)	-----	2.25
Wall Thickness	-----	.062-.076

## TAIL PIPE EXTENSION

V8-396 Cu.In. (RPO L34)	-----	Chrome plated
-------------------------	-------	---------------

## ENGINE VENTILATION

Type	-----	Closed-positive
------	-------	-----------------

## EXHAUST EMISSION CONTROL

All Manual Transmissions	-----	Air injection Reactor Equipment
All Auto. Trans. except RPO L34	-----	Controlled Combustion System
Auto. Trans. with RPO L34	-----	Air injection Reactor Equipment

# 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	Positive seal
Location	
L6	Forward end of rocker cover
V8-307 & 350 Cu.In.	Rearward of left rocker cover
V8-396 Cu.In.	Top center of right rocker cover

## OIL PAN CAPACITIES (Quarts)

Refill		
L6-230 & 250 Cu.In.	-----	4
V8-307, 350 & 396 Cu.In.	-----	4
Refill With Filter Change		
L6-230 & 250 Cu.In.	-----	5
V8-307, 350 & 396 Cu.In.	-----	5

## LUBRICANT GRADES AND TEMPERATURES

32° F and Above	-----	SAE20W or SAE10W-30
0° F to 32° F	-----	SAE10W or SAE10W-30
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 (Bench test, no flow condition)		
L6-230 & 250 Cu.In.	-----	50-65 PSI @ 2000 RPM
V8-307 & 350 Cu.In.	-----	50-65 PSI @ 2000 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
V8-307 & 350 Cu.In.	-----	4.3 @ 2000
V8-396 Cu.In.	-----	6.0 @ 2000

## OIL FILTER

Type	-----	Full flow, throw away canister
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 DIPSTICK - LOCATION

L6-230 & 250 Cu.In.	--	Right side, rear of engine block
V8-307 & 350 Cu.In.	--	Left side, rear of engine block
V8-396 Cu.In.	--	Right side, center direct to oil pan

## 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

# COOLING SYSTEM

## GENERAL

Type	Liquid, pressurized
Capacity with Heater (Standard Equipment)	
L6-230 & 250 Cu.In.	13 qts.
V8-307 Cu.In.	17 qts.
V8-350 Cu.In.	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 & 250 Cu.In.	.28 Syn., .22 Auto.
V8-307 Cu.In.	.18 Syn., .16 Auto.
V8-350 Cu.In. (RPO LM1)	.16 Syn., .20 Auto.
V8-350 Cu.In. (RPO L48)	.16 Syn., .18 Auto.
V8-396 Cu.In. (RPO L35)	.20 Syn., .16 Auto.
V8-396 Cu.In. (RPO L34)	.16 Syn., .16 Auto.
Distance between tubes	.55
Thickness of core	1.26
Frontal area (sq.in.)	
L6-230 & 250 Cu.In.	353
V8-307 Cu.In.	353
V8-350 Cu.In. (RPO LM1)	353 Syn., 480 Auto.
V8-350 Cu.In. (RPO L48)	353
V8-396 Cu.In.	480

## RADIATOR HEAVY DUTY (RPO V01)

Core constant and thickness	
Distance between fins	
L6-230 & 250 Cu.In.	.16 Syn., .22 Auto.
V8-307 Cu.In.	.16 Syn., .16 Auto.
V8-350 Cu.In.	.16 Syn., .16 Auto.
V8-396 Cu.In.	.16 Syn., .16 Auto.
Distance between tubes	.55
Thickness of core	
L6-230 & 250 Cu.In.	1.26 Syn., 1.98 Auto.
V8-307 & 350 Cu.In.	1.26 Syn., 1.26 Auto.
V8-396 Cu.In.	1.98
Frontal area (sq.in.)	
L6-230 & 250 Cu.In.	353
V8-307 & 350 Cu.In.	480
V8-396 Cu.In.	480

## RADIATOR CAP RELIEF VALVE

Opens at ----- Approximately 15 PSI

## THERMOSTAT

Type	Pellet
Begins to open at	192°-198°
Fully opened at	227°
Thermostat By-Pass Hose	
V8-396 Cu.In. only	.745 ID

## RADIATOR HOSE

Outlet, lower (radiator to water pump)	
L6-230 & 250 Cu.In.	1.75 ID
V8-307 & 350 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
V8-307, 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	
L6-230 & 250 Cu.in. (Manual trans. eng.)	Two
L6-230 & 250 Cu.in. (Auto. trans. eng.)	One
All V-8 engines (Manual & Auto.)	One
Angle of "V"	38°-42°
Pitch line	
L6-230 & 250 Cu.in.	39.00 Manual & Auto.
L6-230 & 250 Cu.in. (A.I.R. belt for Manual)	50.00
V8-307 Cu.in.	47.50 (Manual); 44.25 (Auto.)
V8-350 Cu.in.	47.50 (Manual); 44.25 (Auto.)
V8-396 Cu.in.	49.50 (Manual); 45.75 (Auto.)
Width	.380

## WATER PUMP

Type	Centrifugal
Capacity	
L6-230 & 250 Cu.In.	60 GPM @ 4400 Engine RPM
V8-307 Cu.In.	54 GPM @ 4400 Engine RPM
V8-350 Cu.In.	54 GPM @ 4400 Engine RPM
V8-396 Cu.In.	57 GPM @ 4400 Engine RPM
Bearing	Permanently lubricated double row ball
Drive	Fan belt
Ratio(Pump to Engine RPM)	.949:1

## DRAIN LOCATIONS AND TYPE

Radiator - Plug	Left hand, lower rear face
Engine Block - Plug	
L6-230 & 250 Cu.In.	Left side rear
V8-307 & 350 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
Cranking Power @ 0° F		
L6-230 & 250 Cu.In.	-----	2300 watts
V8-307 Cu.In.	-----	2300 watts
V8-350 & 396 Cu.In.	-----	2900 watts
Heavy Duty (RPO T60)	-----	3150 watts
Total Number of Plates		
L6-230 & 250 Cu.In.	-----	54
V8-307 Cu.In.	-----	54
V8-350 & 396 Cu.In.	-----	66
Number of Cells	-----	6
Terminal Grounded	-----	Negative
Location	-----	Right front engine compartment

## GENERATOR

Type	-----	Diode rectified
Rating		
Amps	-----	37
Volts	-----	12-15
Drive	-----	By fan belt
Pulley Pitch Diameter	-----	2,70
Ratio (Gen. to Engine Speed)	-----	2.46:1

## 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

## IGNITION SYSTEM

DISTRIBUTORS ----- Refer to chart below

## COIL

Type	-----	12-Volt
Amperes Drawn		
Engine Stopped	-----	4.0
Engine Idling	-----	1.8

## SPARK PLUGS

### Type

L6-230 & 250 Cu.In.	-----	ACR46N
V8-307 Cu.In.	-----	ACR45S
V8-350 Cu.In.	-----	ACR44S
V8-396 Cu.In. (RPO L35)	-----	ACR44N
V8-396 Cu.In. (RPO L34)	-----	ACR43N
Thread Size (mm)	-----	14
Gap	-----	.038-.038
Torque	-----	25 lb. ft.

## CABLE

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

## STARTING SYSTEM

### STARTING MOTOR

Rotation (Drive End View)	-----	Clockwise
Test Conditions	-----	Engine at operating temp.
No Load Test		
Amps		
L6-230 & 250 Cu.In.	-----	49-87
V8-307 Cu.In.	-----	49-87
V8-350 Cu.In.	-----	65-100
V8-396 Cu.In.	-----	70-99
Volts	-----	10.6
RPM		
L6-230 & 250 Cu.In.	-----	6200-10700
V8-307 Cu.In.	-----	6200-10700
V8-350 Cu.In.	-----	3600-5100
V8-396 Cu.In.	-----	7800-12000

### Motor Drive

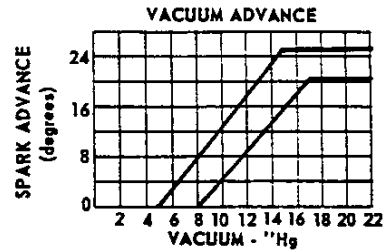
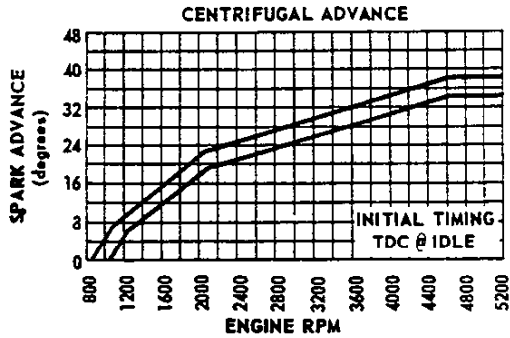
Engagement	-----	Solenoid
Pinion Tooth No.	-----	9
Flywheel Tooth No.	-----	153; V8-396 ---- 168
Mounting	-----	Bolted to cylinder block flange

DISTRIBUTORS	Transmission	230 Cu.In.	250 Cu.In.	307 Cu.In.	350 Cu.In.		396 Cu.In.	
		L6-140 HP	L6-155 HP	V8-200 HP	V8-255 HP	V8-300 HP	V8-325 HP	V8-350 HP
Model	Manual	1110459	1110463	1111481	1111956	1111488	1111497	1111498
	Automatic	1110460	1110464	1111481	1111955	1111489	1111497	1111499
Type		Single breaker						
Cam angle		31° - 34°		29° - 31°		28° - 30°		
Breaker gap		.019 (new)						
Breaker arm tension		19-23 oz.				28-32 oz.		
Centrifugal advance begins @ RPM	Manual	1000	900	1000	1100	950	900	900
	Automatic	1000	900	1000	1130	900	900	900
Maximum degrees @ RPM	Manual	36 @ 4600	32 @ 4200	28 @ 4300	32 @ 4400	30 @ 4700	32 @ 5000	36 @ 5000
	Automatic	32 @ 4600	28 @ 4200	28 @ 4300	28 @ 4300	26 @ 4700	32 @ 5000	32 @ 5000
Vacuum advance begins @ In. Hg.	Manual	7.00		6.00	7.00	8.00	8.00	8.00
	Automatic	7.00		6.00	7.00	8.00	8.00	6.00
Maximum degrees @ In. Hg.	Manual	23 @ 16		15 @ 12	24 @ 17.5	20 @ 17	15 @ 15.5	15 @ 15.5
	Automatic	23 @ 16		15 @ 12	24 @ 17.5	20 @ 17	15 @ 15.5	15 @ 12
Timing (initial design setting) Crankshaft degrees @ RPM with vacuum line disconnected	Manual	TDC @ 700		2 BTC @ 700	TDC @ 700		4 BTC @ 800	TDC @ 800
	Automatic	4 BTC @ 550		2 BTC @ 600	4 BTC @ 600		4 BTC @ 800	4 BTC @ 600
Timing mark location		Torsional damper						

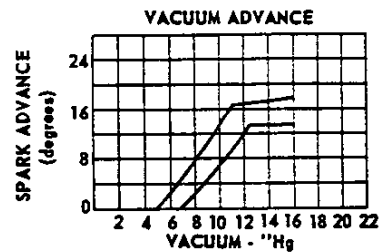
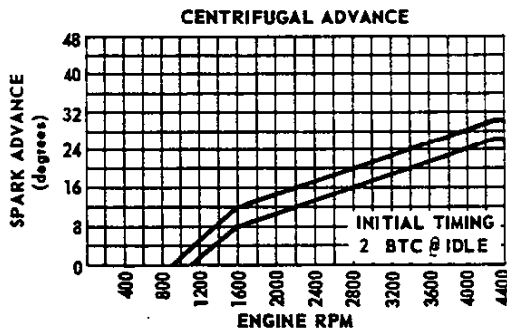


# ELECTRICAL SYSTEM—Cont'd.

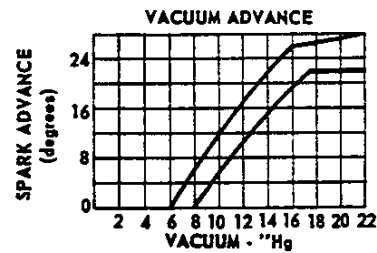
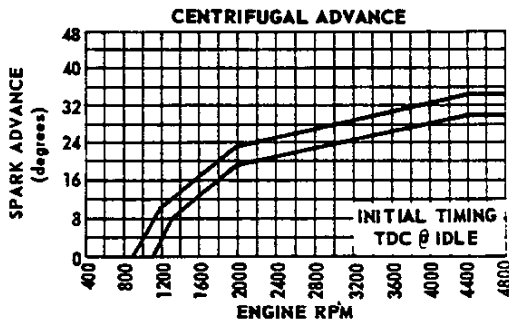
## 230 CUBIC INCH L-6 ENGINE



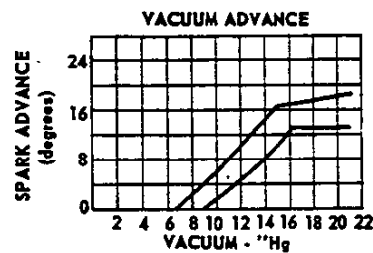
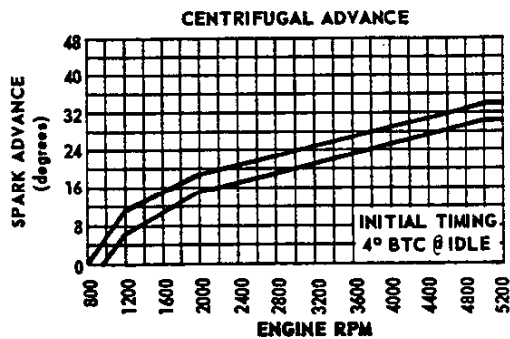
## 307 CUBIC INCH V-8 ENGINE



## 350 CUBIC INCH V-8 ENGINE



## 396 CUBIC INCH V-8 ENGINE



# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine	Type-Cubic Inch	L6-230	L6-250	V8-307	V8-350		V8-396		
	Availability	Base	RPO L22	Base	RPO LM1	RPO L48	RPO L35	RPO L34	
Clutch for		3-Speed			4-Speed	3-Speed & 4-Speed			
Type		Single dry disc			Single dry disc, centrifugal				
Clutch cover & pressure plate	Eff. plate load, lbs.	1650 - 1850		1900-2100	2100 - 2300		2450-2750-	2600 - 2800	
	Press. plate mat.	Cast iron			Nodular iron				
	Clutch spring type	Diaphragm			Diaphragm, bent finger design				
	Clutch spring matl.	Heat treated spring steel							
Driven plate	Type	Single disc with two friction surfaces							
	Cushions	Flat spring steel between friction rings							
	Dampers	(a)	(b)	10 coil springs (5 sets of two)					
	Friction rings	OD	9.12		10.34		11.00		
		ID	6.12		6.50		6.50		
		Total area sq.in.	71.82		101.54		123.70		
	Material	Woven type asbestos							
Flywheel & Ring Gear	Flywheel	Cast iron							
		Heat treated HR steel							
	Ring gear	No. of teeth	153				168		
		PD	12.75				14.00		
	Attachment	Shrink fit							
Bearings	Release	Type	Single row ball						
		Lubrication	None, prepacked						
	Pilot	Type	Bronze bushing						
		Lubrication	None, sintered and oil impregnated						
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								

(a) 6 outer coil springs and 3 inner coil springs equally spaced

(b) 12 coil springs (6 sets of two)

## 3-SPEED AND 4-SPEED TRANSMISSIONS

Transmission Type		3-Speed			Heavy Duty 3-Speed					4-Speed				
Engine Application	Type-Cubic Inch	L-6 230	L-6 250	V-8 307	L-6 230	L-6 250	V-8 307	V-8 350	V-8 396	V-8 307	V-8 350	V8-396		
	Availability	Base	RPO L22	Base	Base	RPO L22	Base	RPO LM1	RPO L35	Base	RPO LM1	RPO L35	RPO L34	
Case material		Cast iron											Alum.	
Gear Shift	Type	Remote												
	Control	Lever												
	Location	Steering column						Floor						
Gears	Type	Helical												
	Material	Forged steel hardened												
	Synchronization	All forward gears												
	Constant mesh gear	All gears						All forward gears						
	Sliding gears	None												
	Ratios	First	2.85			3.03			2.42		2.85	2.52	2.20	
		Second	1.68			1.75			1.58		2.02	1.88	1.64	
		Thrd	1.00			1.00			1.00		1.35	1.46	1.27	
Fourth										1.00	1.00	1.00		
Reverse		2.95			3.02			2.41		2.85	2.59	2.26		
Lubricant	Type	Meeting Military Specification MIL-L-2105B												
	Capacity (pts)	3			3.5						3			
Extension	Material	Cast iron												
	Oil seal	Steel encased double seal of spring loaded rubber or felt												

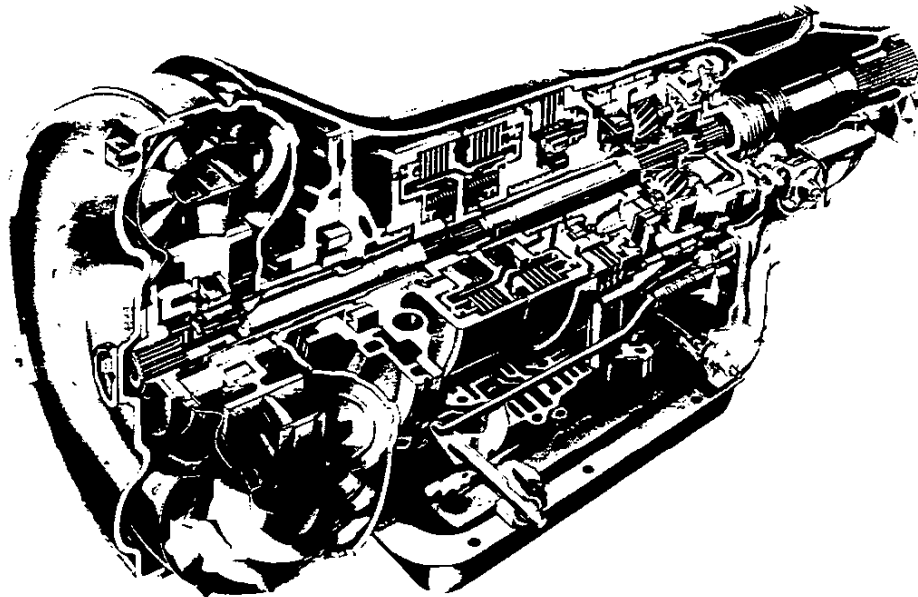
# TRANSMISSIONS —Cont'd.

## POWERGLIDE TRANSMISSION

Engine	Type		L-6	V-8	L-6	V-8 350 Cu.In.
	Availability		230 Cu.In.	307 Cu.In.	230 Cu.In.	350 Cu.In.
	Type		Automatic hydraulic torque converter with planetary gear system for low and reverse			
General data	Selector lever	Location	Steering column (a)			
		Operation	Actuates manual valve in hydraulic control system			
		Quadrant pattern	P-R-N-D-L			
	Parking lock	Type	Pawl and gear (on planetary)			
		Operation	Applied by selector lever thru spring loaded linkage			
	Method of cooling		Water			
	Flywheel assembly		Steel stamping with welded on ring gear			
Hydraulic controls	Manual valve type		Spool			
	Pressure regulator valve type		Spool			
	Pressure @ Idle (b)	Drive	51	51	51	51
		Low	132	122	112	132
Reverse		90	92	91	90	
Converter assembly	Type		Three element			
	Pump		Inner and outer sheet steel shells separated by sheet steel vanes. Outer shell is pump housing which is welded to converter housing.			
	Turbine		Inner and outer shells separated by sheet steel vanes. Assembly supported in converter cover.			
	Stator		Operation independent of cover and pump housing. 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	18.10
	Diameter (nominal)		11.0			
Planetary gear set	Type		Compound planetary			
	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		41.0	41.0	41.0	36.4
	Upshift	Closed throttle	650(16)	650(16)	650(16)	658(18)
		Throttle at detent	1975(48)	2075(51)	1975(48)	2340(64)
		Full throttle	2285(56)	2400(59)	2285(56)	2735(75)
	Downshift	Closed throttle	605(15)	603(15)	605(15)	610(17)
		Throttle at detent	1440(35)	1325(33)	1455(35)	1490(41)
		Full throttle	2125(52)	2260(55)	2135(52)	2588(71)
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	5	4	6
	Reaction plates	Description	Flat steel			
Number		4	5	4	6	
Torque Multi-lication	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 (pts)	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			
	Location		In extension			
Oil pump	Type		Internal-external gear			
	Number		One; front			
	Function		To supply pressure			
	Drive		Converter pump			

(a) Floor mount available when bucket seats are used.

(b) Conditions: 450 RPM input at 25 inches Hg vacuum



## 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 mount optional on models using bucket seats

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

Quadrant Pattern -- Steering column: P-R-N-D-L2-L1

External Control Connections Floor mount: P-R-N-3-2-1

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, sheet 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 ----- 2.10

Stall Speed (RPM) ----- 2100

Diameter (Nominal) ----- 12.20

## TRANSMISSIONS —Cont'd.

### 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 inner 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)	5.21:1 to 1.00
Low 2	5.21:1 to 1.48
Low 1	5.21:1 to 2.48
Reverse	4.37:1 to 2.08

## TURBO HYDRA-MATIC TRANSMISSION

(Available with L6-230 & 250; V8-307 & 350 Ci)

### GENERAL DATA

Type ----- Automatic hydraulic torque converter with compound planetary gear system-three forward speeds & reverse

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

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

Quadrant Pattern -- Steering column P-R-N-D-L2-L1  
 Floor mounted P-R-N-3-2-1

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

Method of Cooling ----- Water

### PLANETARY GI

Front (Output)  
 Rear (Reactio  
 Gear Ratios  
 D (Drive) .  
 L2 (Low Tw  
 L1 (Low On  
 R (Reverse)  
 Front Band  
 Type -----  
 Function .  
 Servo Unit

### CONVERTER ASSEMBLY

Driving Member (Pump) ----- Multivane type, sheet 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 & outer steel shells

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

Stall Ratio ----- 2.10  
 Diameter (Nominal) ----- 11.75

### HYDRAULIC SY

Oil Pressure  
 Pump Pressu  
 Park -----  
 Neutral --  
 Drive -----  
 L2 -----  
 L1 -----  
 Reverse .  
 Valves  
 Type -----  
 Manual ---  
 Pressure R  
 Shift (1-2)

### CLUTCHES

Type ----- Four, multiple disk  
 Material  
 Drive Plates ----- Steel with bonded organic facing  
 Driven Plates ----- Flat steel

Forward Clutch ----- 4 drive & 4 driven plates  
 Direct Clutch ----- 4 drive & 4 driven plates  
 Intermediate Clutch ----- 2 drive & 2 driven plates  
 Low & Reverse Clutch ----- 4 drive & 4 driven plates  
 Release Spring ----- Radial row steel coil

Shift (2-3)  
 Modulator  
 Accumulato  
 Governor  
 Type --  
 Operator

### TORQUE MULTIPLICATION

Drive ----- 5.29:1 to 1.00  
 Low 2 ----- 5.29:1 to 1.48  
 Low 1 ----- 5.29:1 to 2.48  
 Reverse ----- 4.05:1 to 2.08

### LUBRICANT

Type -----  
 Capacity ---  
 Refill -----

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# CHEVELLE SEDANS, COUPES & CONVERTIBLES

## 1969 MODELS WITH STANDARD EQUIPMENT

Coupes and Convertible (112" Wheelbase)

Sedans (116" Wheelbase)

Model Description	Dealer Invoice Amount	Dealer Price	Factory D & H	List Price	Mfr's Spt'd Dealer NVPC*	Mfr's Spt'd Retail Price*	Desti-nation Group No.	Desti-nation Charge	Total
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### 6-Cylinder Models

#### 140-hp Turbo-Thrift 230 Engine

##### 300 Deluxe

13327	2-Door Coupe—6-Passenger	\$2458.00	5	
13337	Sport Coupe—5-Passenger	2521.00	6	
13369	4-Door Sedan—6-Passenger	2488.00	5	

##### Malibu

13569	4-Door Sedan—6-Passenger	2567.00	5	
13539	Sport Sedan—6-Passenger	2672.00	6	
13537	Sport Coupe—5-Passenger	2601.00	6	
13567	Convertible—5-Passenger	2800.00	8	

### 8-Cylinder Models

#### 200-hp Turbo-Fire 307 Engine

##### 300 Deluxe

13427	2-Door Coupe—6-Passenger	\$2548.00	5	
13437	Sport Coupe—5-Passenger	2611.00	6	
13469	4-Door Sedan—6-Passenger	2577.00	5	

##### Malibu

13669	4-Door Sedan—6-Passenger	2657.00	5	
13639	Sport Sedan—6-Passenger	2762.00	6	
13637	Sport Coupe—5-Passenger	2690.00	6	
13667	Convertible—5-Passenger	2889.00	8	

\* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Terms of Sale Bulletin.

\* Manufacturer's Suggested Dealer New Vehicle Preparation Charge.

\* Manufacturer's Suggested Retail Prices do not include state and local taxes, license fees, options or accessories.



# CHEVELLE SEDANS, COUPES & CONVERTIBLES

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Dealer Invoice Amount	Dealer Price	Factory D & H	List Price	Mr.'s Suggested Retail Delivered Price <sup>v</sup>
<b>MODEL OPTIONS</b>						
<b>SS 396:</b> (V8 Coupes & Convertible only) Includes 325-hp Turbo-Jet 396 engine with bright accents; power front disc brakes; floor mounted special 3-speed transmission; dual exhausts; black painted grille and rear panel; wheel opening moldings; special hood ornamentation and suspension; 14" x 7" sport wheels and F70-14 white lettered blackwall tires. 300 Deluxe models also includes rear panel moldings.	Z25					\$347.60
→ <b>THE FOLLOWING ADDITIONAL HORSEPOWER ENGINES MAY BE ORDERED WHEN SS 396 OPTION Z25 IS SPECIFIED ON ORDER:</b>						
350-hp Turbo-Jet 396	L34					121.15
375-hp Turbo-Jet 396	L78					252.80
375-hp Turbo-Jet 396 with aluminum heads	L78/L89					647.75
<b>Concours Sedan:</b> (Available only on Malibu Sport Sedan) Includes luxury cloth seat and sidewall trim, wood-grained accented steering wheel with emblem, instrument panel trim plate, black accented lower body side and wheel opening moldings, "Concours By Chevrolet" deck lid nameplate and special sound insulation.	Z76					131.65
<b>FEATURE GROUPS</b>						
(Any item contained in a feature group may be ordered separately)						
<b>APPEARANCE GUARD GROUP</b>						
INCLUDES						
(A) Front Bumper Guards (All Models)	W31					15.80
(B) Rear Bumper Guards (All Models)	W32					15.80
(C) Door Edge Guards (2-Door Models)	B93					4.25
(C) Door Edge Guards (4-Door Models)	B93					7.40
(D) Color-Keyed Floor Mats 2 Front, 2 Rear (All Models)	B37					11.60
(E) Vanity Visor Mirror	D34					3.20
For 2-Door Coupes & Convertibles—includes A, B, C, D & E	ZP5					50.65
For 4-Door Sedans & Sport Sedan—includes A, B, C, D & E	ZP5					53.80
<b>OPERATING CONVENIENCE GROUP</b>						
INCLUDES						
(A) Electric Clock (Included when special instrumentation is ordered)	U35					15.80
(B) L.H. Outside Remote-Control Rearview Mirror	D33					10.55
(C) Rear Window Defroster						
All models except Convertibles	C50					22.15
Convertibles	C50					32.65
For all models except Malibu Sport Coupe or Convertible—includes A, B & C	IQ2					48.50
For Malibu Sport Coupe						
Without special instrumentation—includes A, B & C	ZQ2					48.50
With special instrumentation—includes B & C	ZQ2					32.70
For Malibu Convertible						
Without special instrumentation—includes A, B & C	ZQ2					59.00
With special instrumentation—includes B & C	ZQ2					43.20
<b>POWER TEAMS</b>						
<b>Engines:</b> See Power Teams chart for complete engine specifications, model and transmission availability						
155-hp Turbo-Thrift 250 6-Cyl.	L22					26.35
250-hp Turbo-Fire 350 V8 (For regular grade fuel)	L65					21.10
300-hp Turbo-Fire 350 V8	L48					68.50
<b>Transmissions:</b> See Power Teams chart for availability						
<b>Powerglide:</b>						
6-Cyl. models	M35					163.70
V8 models	M35					174.25
<b>Turbo Hydra-Matic:</b>						
6-Cyl. models	M40					190.10
V8 models with std. 250-hp or 300-hp engine	M40					200.65
V8 models with 325-hp or 350-hp SS 396 engine	M40					221.80
V8 models with 375-hp SS 396 engine	M40					290.40
Special 3-Speed: floor-mounted, included when SS 396 option is ordered	MC1					79.00
4-Speed (Wide-Range)	M20					184.80
4-Speed (Close-Range)	M21					184.80
HD 4-Speed (Close-Range)	M22					264.00
→ <b>Axle, Positraction Rear:</b>						
All rear axle ratios except 3.73 or 4.10	G80					42.15
Ratios 3.73 or 4.10 only. Also includes HD radiator	G80					56.90
<b>Axle Ratios:</b> See Power Teams chart for availability						
Economy	IQ8					2.15
Performance	IQ9					2.15
Special						2.15

<sup>v</sup> Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Terms of Sale Bulletin.

State and local taxes not included.

→ indicates change

# CHEVELLE SEDANS, COUPES & CONVERTIBLES

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Dealer Invoice Amount	Dealer Price	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price*
<b>POWER ASSISTS</b>						
<b>Brakes, Power:</b> With drum-type brakes . . . . .	150					\$ 42.15
<b>Brakes, Power:</b> With disc-type front brakes, included when SS 396 is ordered	150/152					64.25
<b>→ Door Lock System, Power:</b>						
2-Door models . . . . .	A93					44.80
4-Door models . . . . .	A93					68.50
<b>Steering, Power:</b> (Power brakes recommended)						
With SS 396 (variable ratio) . . . . .	N40					105.35
Without SS 396 (constant ratio) . . . . .	N40					100.10
<b>Top, Power:</b> Convertible models only	C06					52.70
<b>Windows, Power:</b> For Malibu models only	A31					105.35
<b>OTHER OPTIONS</b>						
<b>Air Conditioning, Four-Season:</b> Not available when 375-hp engine is ordered. Includes 61-amp Delcotron, heavy-duty radiator and temperature-controlled radiator fan . . . . .	C60					376.00
<b>Battery, Heavy-Duty:</b> 66-plate, 70-amp-hr.						
With SS 396 . . . . .	T60					15.80
Without SS 396 . . . . .	T60					2.45
<b>Belts, Seat and Shoulder:</b> In addition to or replacing standard belts as shown in chart on page 23.						
<b>CUSTOM DELUXE BELTS:</b> (Replacing std. no. of belts)						
Coups and Sedans with full width seat—6 seat and 2 shoulder	YA1					13.70
Coups with bucket seats—5 seat and 2 shoulder . . . . .	YA1					12.15
Convertible with bench seat—6 seat . . . . .	YA1					10.55
Convertible with bucket seats—5 seat . . . . .	YA1					9.00
<b>SHOULDER BELTS—2 REAR:</b> (Convertible Models require use of front shoulder belt option)						
Standard Style—for use when Custom Deluxe Belts are not ordered . . . . .	YA2					23.20
Custom Deluxe—for use when Custom Deluxe Belts are ordered . . . . .	YA2					26.35
<b>SHOULDER BELTS—2 FRONT:</b> Convertible Models only						
Standard Style—for use when Custom Deluxe Belts are not ordered . . . . .	YA3					23.20
Custom Deluxe—for use when Custom Deluxe Belts are ordered . . . . .	YA3					26.35
<b>Console:</b> Available only when bucket seats are ordered. Includes rear seat courtesy seat and compartment. Shift lever is mounted on console. Not available when std 3-speed transmission is ordered . . . . .	D55					53.75
<b>Exhaust, Dual:</b> For 250-hp or 300-hp engine only. Included when SS 396 is ordered . . . . .	N10					30.55
<b>Exhaust System, Dual Chambered:</b> Available only when SS 396 is ordered . . . . .	NC8					15.80
<b>Fan, Radiator:</b> Temperature-controlled. V8 models only. Included when Four-Season air conditioning or 375-hp engine is ordered . . . . .	K02					15.80
<b>Generators:</b> Not available when 375-hp engine is ordered.						
42-amp Delcotron. Not available when air conditioning is ordered . . . . .	K79					10.55
63-amp Delcotron:						
With air conditioning; not available when power steering is ordered on 6-Cyl. models . . . . .	K85					5.30
Without air conditioning . . . . .	K85					26.35
<b>Glass, Soft-Ray Tinted:</b> All windows . . . . .	A01					36.90
<b>Headlight Washer</b> . . . . .	CE1					15.80
<b>Heater, Engine Block</b> . . . . .	K05					10.55
<b>Horns, Dual:</b> 300 Deluxe models only . . . . .	J05					5.30
<b>Instrumentation, Special:</b> Available on 300 Deluxe models with SS 396. V8 Malibu Coupe or Convertible only. Includes clock, tachometer, ammeter, temperature and oil pressure gauges mounted in instrument panel . . . . .	J14					94.80
<b>Light Monitoring System</b> . . . . .	J46					26.35
<b>Lighting, Auxiliary:</b>						
(A) <i>Asst. Light</i>						
(B) <i>Courtesy Lights</i>						
(C) <i>Glove Compartment Light</i>						
(D) <i>Luggage Compartment Light</i>						
(E) <i>Trunk Light</i>						
(F) <i>Mirror Map Light</i>						
For Convertible—includes A, D, E & F . . . . .	J19					12.15
For Malibu Sedans, Sport Coupe—includes A, B, D, E & F . . . . .	J19					16.35
For 300 Deluxe Models—includes A, B, C, D, E & F . . . . .	J19					19.00
<b>Molding, Body Side, Upper:</b> Not available when SS 396 is ordered . . . . .	BX4					26.35
<b>Moldings, Side Window:</b>						
300 Deluxe 2-Door Coupes . . . . .	B90					21.10
4-Door Sedans . . . . .	B90					26.35

\* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Terms of Sale Bulletin.  
 † State and local taxes not included.  
 → indicates change

# CHEVELLE SEDANS, COUPES & CONVERTIBLES

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Dealer Invoice Amount	Dealer Price	Factory D & H	List Price	Mir's Suggested Retail Delivered Price*
<b>Paint, Exterior:</b>						
Solid colors. (Except Monaco Orange or Daytona Yellow) Monaco Orange or Daytona Yellow solid colors: available only when SS 396 is ordered.		N.C.	N.C.	N.C.	N.C.	N.C.
Two-tone combinations: Coupe and Sedan models only; includes bright metal outline moldings.						42.15
<b>Radiator, Heavy-Duty:</b> Included when air conditioning or 375-hp engine is ordered.	VO1					14.75
<b>Radio Equipment</b>						
Radios, Pushbutton—with front antenna						
AM Radio	U63					61.10
AM/FM Radio	U69					133.80
AM/FM Stereo Radio	U79					239.10
Antenna, Manual Rear—not available with AM/FM Radio	U73					9.50
Speaker, Rear Seat—not available when Stereo is ordered	U80					13.20
<b>Roof Cover, Vinyl:</b> Includes bright metal outline moldings. Not available on Convertible. (Solid exterior colors only)						
Black	BB					89.55
Blue (Dk)	CC					89.55
Parchment	EE					89.55
Midnight Green	SS					89.55
Brown (Dk)	FF					89.55
<b>Seats, Strato-Bucket:</b> Malibu Sport Coupe or Convertible only	AS1					121.15
<b>Speed Warning Indicator</b>	U15					11.60
<b>Steering Wheel, Comfortilt:</b> Available only when automatic or floor mounted transmission is ordered.	N33					45.30
<b>Steering Wheel, Sports-Styled:</b> Wood-grained plastic rim.	N34					34.80
<b>Stereo Tape System:</b> Includes four speakers.	US7					133.80
<b>Striping, Accent:</b> Available only when SS 396 is ordered	D96					26.35
→ <b>Suspension, Special Front &amp; Rear:</b> Includes special front and rear springs and matching shock absorbers						
With Std., 155-hp or 250-hp engine, also includes 8.875" dia. ring gear.	F40					16.90
With 300-hp engine or SS 396.	F40					5.30
→ <b>Suspension, Special-Purpose Front and Rear:</b> Available only when SS 396 is ordered. Includes special front stabilizer with special duty bushings, rear axle lower control arm reinforcements, rear stabilizer, special front and rear springs with matching shock absorbers.	F41					29.50
<b>Tire Chain, Liquid</b>	V75					23.20
<b>Tops, Convertible:</b> Available with all exterior solid colors						
Manual						
White	AA	N.C.	N.C.	N.C.	N.C.	N.C.
Black	BB	N.C.	N.C.	N.C.	N.C.	N.C.
<b>Trim, All-Vinyl Interior:</b> For availability see Color & Trim chart						
Malibu Sport Coupe and Sport Sedan models only						12.65
300 Deluxe models.						12.65
Fleet type (Black); 300 Deluxe 2-Door Coupe or 4-Door Sedan models only	787					12.65
<b>Ventilation, HD Closed Engine Positive:</b> Not available when 350-hp or 375-hp engine is ordered.	KD5					6.35
<b>Wheel Covers:</b> Four bright metal. (Not available when SS 396 option is ordered).	P01					21.10
<b>Wheel Covers, Mag-Style</b> (Not available when SS 396 option is ordered)	N96					73.75
<b>Wheel Covers, Mag-Spoke</b> (Not available when SS 396 option is ordered)	PA2					73.75
<b>Wheel Covers, Simulated Wire</b> (Not available when SS 396 option is ordered)	N95					73.75
<b>Wheel Trim Rings:</b> For use with standard hub caps. (Not available when SS 396 option is ordered)	P06					21.10
<b>Wheels, Rally:</b> Includes special wheel, hub cap and trim ring. (Not available when SS 396 option is ordered)	Z17					35.85
<b>Windshield Wipers, Concealed:</b> Standard on Malibu. Includes articulated left side blade.	C24					19.00

\* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Terms of Sale Bulletin.

† State and local taxes not included.

→ Indicates change

# CHEVELLE SEDAN, COUPE & CONVERTIBLE TIRES

## BASE TUBELESS TIRE CHART

Model		Base Tires	Included with 350-cu-in engines on 13639 and 13667 models only
6-Cyl.	V8		
13327	13427	7.35-14/2-ply (4-ply rating)	—
13337	13437	7.35-14/2-ply (4-ply rating)	—
13369	13469	7.35-14/2-ply (4-ply rating)	—
13537	13637	7.35-14/2-ply (4-ply rating)	—
13539	—	7.35-14/2-ply (4-ply rating)	—
13567	—	7.35-14/2-ply (4-ply rating)	—
13569	13669	7.35-14/2-ply (4-ply rating)	—
—	13639	7.35-14/2-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)

## FACTORY INSTALLED REGULAR PRODUCTION TUBELESS TIRES

Description	Option Number	Dealer Invoice Amount	Dealer Price	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price*
<b>Replaces (5) 7.35-14/2-ply (4-ply rating) Original Equipment Blackwall</b>						
➤ (5) 14" Fiberglass Belt Blackwall	YB1					528.35
➤ (5) 14" Fiberglass Belt Whitewall	YB2					51.75
(5) 7.35-14/2-ply (4-ply rating) Original Equipment Whitewall	P58					33.45
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Blackwall	P65					14.60
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Whitewall	P62					48.20
(5) F70-14/2-ply (4-ply rating) Original Equipment Red Stripe	PW8					72.30
(5) F70-14/2-ply (4-ply rating) Original Equipment White Stripe	PW7					72.30
➤ (5) F70-14/B Fiberglass Belt Red Stripe	PY5					98.35
➤ (5) F70-14/B Fiberglass Belt White Stripe	PY4					98.35
➤ (5) F70-14/2-ply (4-ply rating) Original Equipment White Lettered Blackwall	PL5					72.15
<b>Replaces (5) 7.75-14/2-ply (4-ply rating) Original Equipment Blackwall (13639 &amp; 13667 models with 350 engine only)</b>						
➤ (5) 14" Fiberglass Belt Blackwall	YB1					28.35
➤ (5) 14" Fiberglass Belt Whitewall	YB2					61.75
(5) 7.75-14/2-ply (4-ply rating) Original Equipment Whitewall	P62					33.45
(5) F70-14/2-ply (4-ply rating) Original Equipment Red Stripe	PW8					57.55
(5) F70-14/2-ply (4-ply rating) Original Equipment White Stripe	PW7					57.55
➤ (5) F70-14/B Fiberglass Belt Red Stripe	PY5					93.55
➤ (5) F70-14/B Fiberglass Belt White Stripe	PY4					93.55
➤ (5) F70-14/2-ply (4-ply rating) Original Equipment White Lettered Blackwall	PL5					57.35
<b>Replaces (5) F70-14/2-ply (4-ply rating) Original Equipment White Lettered Blackwall (SS 396 option)</b>						
(5) F70-14/2-ply (4-ply rating) Original Equipment Red Stripe	PW8	N.C.	N.C.	N.C.	N.C.	N.C.
(5) F70-14/2-ply (4-ply rating) Original Equipment White Stripe	PW7	N.C.	N.C.	N.C.	N.C.	N.C.
➤ (5) F70-14/B Fiberglass Belt Red Stripe	PY5					26.25
➤ (5) F70-14/B Fiberglass Belt White Stripe	PY4					26.25
➤ (5) F70-14/B Fiberglass Belt White Lettered Blackwall	PL4					26.25

\* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Terms of Sale Bulletin.

† State and local taxes not included.

➤ Indicates change

## TRANSMISSION SHIFT AND FLOOR CONSOLE AVAILABILITY

ENGINES	TRANSMISSION	STANDARD SHIFT-LEVER LOCATION	RPO D55 FLOOR CONSOLE
140-hp Turbo-Thrift 230	Std 3-Speed	Column	Not Available
	Special 3-Speed RPO MC1	Floor With Boot	Console
155-hp Turbo-Thrift 250	4-Speed RPO M20 (V8 Only)	Floor With Boot	Console
	Powerglide RPO M35	Column	Console With Floor Shift
200-hp Turbo-Fire 307	Turbo Hydra-Matic RPO M40	Column	Console With Floor Shift
300-hp Turbo-Fire 350	Special 3-Speed RPO MC1	Floor With Boot	Console
	4-Speed RPO M20	Floor With Boot	Console
	Powerglide RPO M35	Column	Console With Floor Shift
	Turbo Hydra-Matic RPO M40	Column	Console With Floor Shift
325-hp Turbo-Jet 396	Special 3-Speed Std	Floor With Boot	Console
	4-Speed RPO M20	Floor With Boot	Console
350-hp Turbo-Jet 396	4-Speed C.R. RPO M21 (350-hp & 375-hp Only)	Floor With Boot	Console
375-hp Turbo-Jet 396	4-Speed HD C.R. RPO M22 (375-hp Only)	Floor With Boot	Console
	Turbo Hydra-Matic RPO M40	Column	Console With Floor Shift

## CHEVELLE SEDAN, COUPE & CONVERTIBLE POWER TEAMS (STANDARD ENGINES)

Engine, Transmission and Rear Axle Combinations

ENGINES		TRANSMISSION Std or Optional	MODEL APPLICATION	REAR AXLE RATIOS*							
Option Number	Description			Without Air Cond			With Air Conditioning				
				Std	Optional		Std	Optional			
			Econ	Perf	Spec		Econ	Perf	Spec		
Std on Series 133-135	140-hp Turbo-Thrift 230 6-Cylinder 230-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters Single exhaust	3-Speed—Std	All	3.08	—	3.36	—	3.36	—	3.55	—
		Special 3-Speed—MC1	All	3.08	—	3.36	—	3.36	3.08	3.55	—
		Powerglide—M35	All	3.08	—	3.36	—	3.36	3.08	3.55	—
		Turbo Hydra-Matic—M40	All	2.73	2.56	3.08	3.36	3.08	2.73	3.36	—
Std on Series 134-136	200-hp Turbo-Fire 307 8-Cylinder 307-cu-in displacement 2-barrel carburetor 9.00:1 compression ratio Hydraulic valve lifters Single exhaust	3-Speed—Std	All	3.08	2.73	3.36	—	3.36	3.08	3.55	—
		Special 3-Speed—MC1	All	3.36	3.08	3.55	—	3.36	3.08	3.55	—
		4-Speed Wide-Range—M20	All	3.08	—	3.36	3.55	3.36	3.08	3.55	—
		Powerglide—M35	All	3.08	—	3.36	3.55	3.36	3.08	3.55	—
		Turbo Hydra-Matic—M40	All	2.73	2.56	3.08	3.36	3.08	2.73	3.36	—

\*All ratios available as Positraction.

# CHEVELLE SEDANS, COUPES & CONVERTIBLES POWER TEAMS (Optional Engines)

## Engine, Transmission and Rear Axle Combinations

ENGINES		TRANSMISSION Std or Optional	MODEL APPLICATION	REAR AXLE RATIOS*							
				Without Air Cond				With Air Conditioning			
				Option Number	Description	Std	Optional			Std	Optional
Econ	Perf	Spec	Econ				Perf	Spec			
L22 on Series 133-135	155-hp Turbo-Thrift 250 6-Cylinder 250-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters Single exhaust	3-Speed—Std	All	3.08	2.73	3.36	—	3.36	3.08	3.55	—
		Special 3-Speed—MC1									
		Powerglide—M35									
		Turbo Hydra-Matic—M40									
L65 on Series 134-136	250-hp Turbo-Fire 350 8-Cylinder 350-cu-in displacement Regular camshaft 2-barrel carburetor 9.00:1 compression ratio Hydraulic valve lifters Single exhaust	3-Speed—Std	All	3.08	2.73	3.36	—	3.08	2.73	3.36	—
		Special 3-Speed—MC1									
		4-Speed Wide-Range—M20									
		Powerglide—M35									
		Turbo Hydra-Matic—M40									
L48 on Series 134-136	300-hp Turbo-Fire 350 8-Cylinder 350-cu-in displacement Regular camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Single exhaust	Special 3-Speed—MC1	All	3.31	3.07	3.55	—	3.31	3.07	3.55	—
		4-Speed Wide-Range—M20									
		Powerglide—M35									
		Turbo Hydra-Matic—M40									
SS396 Option Z25 on Models 13427 13437 13637 13667	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	Special 3-Speed—Std	All	3.31	3.07	3.55	3.73 or 4.10	3.31	3.07	—	—
		4-Speed Wide-Range—M20									
		Turbo Hydra-Matic—M40									
SS396 Option Z25/L34 on Models 13427 13437 13637 13667	350-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	Special 3-Speed—Std	All	3.55	3.31	3.73	4.10	3.31	3.07	—	—
		4-Speed Wide-Range—M20									
		4-Speed Close-Ratio—M21									
		Turbo Hydra-Matic—M40									
SS396 Option Z25/L78 on Models 13427 13437 13637 13667	375-hp Turbo-Jet 396 8-Cylinder 396-cu-in displacement Special camshaft 4-barrel carburetor 11.00:1 compression ratio Mechanical valve lifters Dual exhaust	Special 3-Speed—Std	All	3.55	3.31	3.73	3.07 or 4.10	3.31	3.07	—	—
		4-Speed Wide-Range—M20									
		4-Speed Close-Ratio—M21									
		4-Speed HD Close-Ratio—M22									
		Turbo Hydra-Matic—M40									

\*All ratios available as Positraction (3.73 and 4.10 available as Positraction only).

# CHEVELLE SEDAN, COUPE & CONVERTIBLE INTERIOR AND EXTERIOR SELECTION CHART

**PLEASE NOTE:** The exterior and interior combinations for solid color paint shown in the chart below have been established as the combinations that would be attractive to the average customer. Orders for non-recommended solid color exterior and interior trim combinations may be submitted provided the original order carries a notation in the special instruction section. This notation should state that the color and trim selection has been verified and is definitely desired.

This procedure does not apply to orders that specify a vinyl roof cover or two-tone paint as combinations shown are the only combinations that have been approved.

VINYL ROOF	EXTERIOR COLOR AVAILABILITY	
BLACK	BB	All Exterior Colors.
BLUE (DK)	CC	White, Silver, Glacier Blue and Dusk Blue Exterior Colors only.
PARCHMENT	EE	All Exterior Colors.
MIDNIGHT GREEN	SS	Black, White and Green Exterior Colors only.
BROWN (DK)	FF	Gold, Butternut Yellow, Champagne and Brown Exterior Colors only.

			INTERIOR TRIM												
			Black			Blue			Medium Green		Parch-ment	Midnight Green		Red	Tur-quoise
			Cloth	Con-cours Cloth RPO ZJ6	Vinyl	Cloth	Con-cours Cloth RPO ZJ6	Vinyl	Cloth	Vinyl	Vinyl	Cloth	Con-cours Cloth RPO ZJ6	Vinyl	Vinyl
Type of Seat															
MALIBU	Std. Bench	753		755	762			783	784	790	782		795	787	779
	Sport Coupe Strato-Bucket (RPO A51)			756			765		785	791			796	788	
Sport Sedan	Std. Bench	753	754	755	762	763		783	784		782	794	795		779
4 Door Sedan	Std. Bench	753		755	762			783			782				779
Convertible	Std. Bench			755			764			790				787	
	Sport Coupe Strato-Bucket (RPO A51)			756			765			791				788	
300 DELUXE Sedans & Coupes	Std. Bench	751		752	760			786							
EXTERIOR COLOR															
SOLID	CODE														
	Lower	Upper													
Tuxedo Black	10	10	X		X			X	X		X		X	X	
Dover White	50	50	X		X			X	X		X		X	X	
Glacier Blue	53	53	X		X				X						
Dusk Blue (Dk)	51	51	X		X				X						
LeMans Blue (Brt)	71	71	X						X						
Olympic Gold	65	65	X						X		X				
Burnished Brown (Dk)	61	61	X						X						
Azure Turquoise	55	55	X						X						X
Frost Green	59	59	X					X	X		X				
Burgundy	67	67	X						X					X	
Cortez Silver	69	69	X		X				X		X		X	X	X
Garnet Red	52	52	X						X					X	
Champagne	63	63	X						X		X				
Fathom Green (Dk)	57	57	X					X	X		X				
Butternut Yellow	40	40	X						X		X				
◆ Monaco Orange	72	72	X						X						
◆ Daytona Yellow	76	76	X						X						
TWO-TONE	Lower	Upper													
Glacier Blue (Lwr) Dover White (Upr)	53	50	X		X				X						
Azure Turq (Lwr) Dover White (Upr)	55	50	X						X						X
Glacier Blue (Lwr) Dusk Blue (Upr)	53	51	X		X				X						
Dusk Blue (Lwr) Glacier Blue (Upr)	51	53	X		X				X						
Olympic Gold (Lwr) Dover White (Upr)	65	50	X						X		X				
Burnished Brn (Lwr) Champagne (Upr)	61	63	X						X						

◆ Available at extra cost on vehicles equipped with SS 396 only.

# OPTIONAL EQUIPMENT INDEX

## Option Identification System For Chevelle

Option Number	Description	Option Number	Description	Option Number	Description
A01	Glass, tinted—all windows	K85	Generator, 63-amp	PW7	Tires, F70-14/2-ply (4-ply rating) Original Equipment White Stripe
A31	Window, power	KD5	Ventilation, HD closed engine positive	PW8	Tires, F70-14/2-ply (4-ply rating) Original Equipment Red Stripe
A51	Seat, Strato-bucket	L22	Engine, 155-hp Turbo-Thrift 250-cu-in 6-cyl	PX5	Tires, F78-14/2-ply (4-ply rating) Special "Belted" Blackwall
A93	Door locks, power	L34	Engine, 350-hp Turbo-Jet 396-cu-in V8 (SS 396)	PX6	Tires, F78-14/2-ply (4-ply rating) Special "Belted" Whitewall
*B37	Mats, floor	L48	Engine, 300-hp Turbo-Fire 350-cu-in V8	PY4	Tires, F70-14/2-ply (4-ply rating) Special "Belted" White Stripe
B90	Molding, window	L65	Engine, 250-hp Turbo-Fire 350-cu-in V8	PY5	Tires, F70-14/2-ply (4-ply rating) Special "Belted" Red Stripe
*B93	Guard, door edge	L78	Engine, 375-hp Turbo-Jet 396-cu-in V8 (SS 396)	T60	Battery, HD
BX4	Molding, body side upper	L89	Engine, 375-hp Turbo-Jet 396-cu-in V8 (alum. heads) (SS 396)	U14	Instrumentation, special
C05 — AA	Top, convertible, white	M20	Transmission, 4-speed wide-range	U15	Speed warning indicator
C05 — BB	Top, convertible, black	M21	Transmission, 4-speed close-ratio	U05	Horns, Dual
C06	Top, power convertible	M22	Transmission, 4-speed HD	†U35	Clock, electric
C08 — BB	Roof cover, vinyl—black	M35	Transmission, Powerguide	U46	Light monitoring system
C08 — EE	Roof cover, vinyl—parchment	M40	Transmission, Turbo Hydra-matic	U57	Stereo tape system
C08 — SS	Roof cover, vinyl—midnight green	MC1	Transmission, Special 3-speed	U63	Radio, pushbutton AM
C08 — FF	Roof cover, vinyl—brown (Dk)	N10	Exhaust, dual	U69	Radio, pushbutton AM/FM
C08 — CC	Roof cover, vinyl—blue (Dk)	N33	Steering wheel, Comiortilt	U73	Antenna, manual rear
C24	Windshield wipers, concealed	N34	Steering wheel, Sports-styled	U79	Radio, AM/FM stereo
††C50	Defroster, rear window	N40	Steering, power	U80	Speaker, rear
C60	Air conditioning	N95	Wheel cover, simulated wire	V01	Radiator, HD
CE1	Headlight washer	N96	Wheel cover, mag-style	*V31	Guard, bumper front
††D33	Mirror, remote control, outside rear	NC8	Exhaust system, chambered	*V32	Guard, bumper rear
*D34	Mirror, visor vanity	P01	Wheel cover, bright metal	V75	Tire Chain, Liquid
D55	Console	P06	Wheel trim rings	YA1	Belts, custom deluxe
D96	Striping, accent	P58	Tires, 7.35-14/2-ply (4-ply rating) Original Equipment Whitewall	YA2	Belts, shoulder rear
F40	Suspension, special front & rear	P62	Tires, 7.75-14/2-ply (4-ply rating) Original Equipment Whitewall	YA3	Belts, shoulder front
G76	Axle, rear 3.36 ratio	P65	Tires, 7.75-14/2-ply (4-ply rating) Original Equipment Blackwall	Z25	SS 396
G80	Axle, Positraction	PA2	Wheel cover, mag-spoke	ZJ6	Concours Sedan
G92	Axle, rear 3.08 ratio	PL5	F70-14/2-ply (4-ply rating) Original Equipment Blackwall with White Lettering	ZJ7	Wheels, Rally
G94	Axle, rear 3.31 ratio			ZJ9	Lighting, auxiliary
G96	Axle, rear 3.55 ratio				
G97	Axle, rear 2.73 ratio				
GT1	Axle, rear 2.56 ratio				
H01	Axle, rear 3.07 ratio				
J50	Brakes, power				
J52	Brakes, power disc				
K02	Fan, radiator				
K05	Heater, engine block				
K79	Generator, 42-amp				

\* Group ZP5 ††Group ZQ2

## Seat and shoulder belt arrangements

	Standard Type ♦				Custom Deluxe Type ■			
	Seat		Shoulder		Seat		Shoulder	
	Front	Rear	Front	Rear	Front	Rear	Front	Rear
<b>Coupes &amp; Sedans</b>	Std (3)	Std (3)	Std (2)	YA2 (2)	YA1 (3)	YA1 (3)	YA1 (2)	YA2 (2)
<b>2-Door Sport Coupe w/Bench Seat w/ Bucket Seats</b>	Std (3) Std (2)	Std (3) Std (3)	Std (2) Std (2)	YA2 (2) YA2 (2)	YA1 (3) YA1 (2)	YA1 (3) YA1 (3)	YA1 (2) YA1 (2)	YA2 (2) YA2 (2)
<b>Convertibles w/Bench Seat w/ Bucket Seats</b>	Std (3) Std (2)	Std (3) Std (3)	YA3 (2) YA3 (2)	YA2 (2) YA2 (2)	YA1 (3) YA1 (2)	YA1 (3) YA1 (3)	YA3 (2) YA3 (2)	YA2 (2) YA2 (2)

Figures in ( ) are number of sets included.

"Std" means included in base price of vehicle.

♦ Standard belts available in Black, Blue, Green and Gold to harmonize with interior trim.

■ Deluxe belts available in Black, Blue, Medium Green, Dark Green, Turquoise, Red and Gold to match interior trim.



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# NOTES

## Concours Exterior Features

- Silver-finish grille with bright center bar, emblem and outline molding
- White lenses over parking/direction signal lights
- Front fender engine emblem—V8 and optional six only
- Windshield molding
- Hide-A-Way windshield wipers
- Hood rear edge molding
- Concours nameplate on front fenders
- Rectangular outside rearview mirror
- Bright roof drip moldings
- Side marker lights—front and rear
- Body side accent striping
- Lower body side and rear fender molding
- Hub caps
- Wheel opening moldings
- Rear window molding
- Concours deck lid nameplate
- Silver-finish rear panel
- Unitized taillights and back-up lights

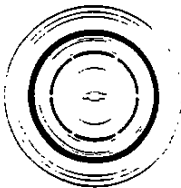
## Malibu Exterior Features

- Silver-finish grille with bright center bar, emblem and outline molding
- White lenses over parking/direction signal lights
- Front fender engine emblem—V8 and optional six only
- Windshield molding
- Hide-A-Way windshield wipers
- Hood rear edge molding
- Full door-glass styling (Sport Coupe and Convertible only)
- Rectangular outside rearview mirror
- Bright roof drip moldings (except Convertible)
- Side marker lights—front and rear
- Body side accent striping
- Lower body side molding
- \* Silver-finish lower body (except 4-Door Sedan)
- Hub caps
- Rear window molding (except Convertible)
- Silver-finish rear panel (except 4-Door Sedan)
- Unitized taillights and back-up lights

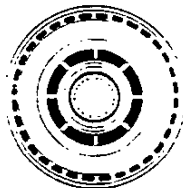
\* PAINT # DUPONT 927-95905  
ARGENT SILVE



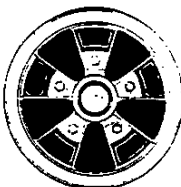
Standard hub cap



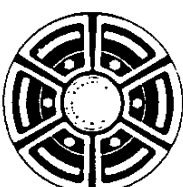
Hub cap and trim ring (RPO PO6)



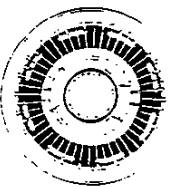
Full wheel cover (RPO PO1)



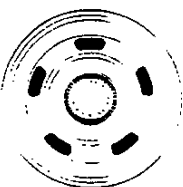
Mag-Style wheel cover (RPO N96)



Mag-Spoke wheel cover (RPO PA2)



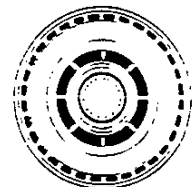
Simulated Wire wheel cover (RPO N95)



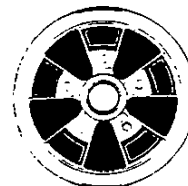
Rally Wheel (RPO ZJ7)



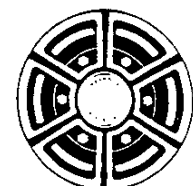
Standard hub cap\*



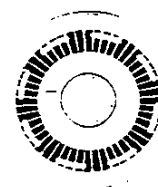
Full wheel cover (RPO PO1)



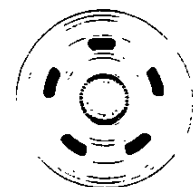
Mag-Style wheel cover (RPO N96)



Mag-Spoke wheel cover (RPO PA2)



Simulated Wire wheel cover (RPO N95)



Rally Wheel (RPO ZJ7)

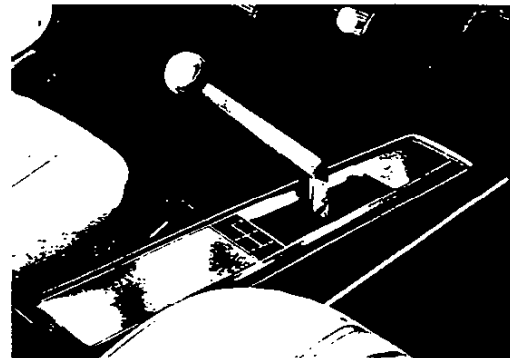
\*Also available with Wheel Trim Ring (RPO PO6).

## Concours Interior Features

- Ultra-luxurious cloth interior
  - Wood-grained accents on instrument panel and steering wheel
  - Foam-cushioned front and rear seats—extra-thick in front
  - Illuminated heater control panel
  - Armrests front and rear with bright accents
  - Color-keyed deep-twist carpeting
  - Glove compartment lock and light
  - Vinyl-coated luggage compartment mat
  - Cigarette lighter
  - Center dome light
- ... plus all Chevelle standard convenience and security features.

## Malibu Interior Features

- Luxurious cloth and vinyl interior. Attractive all-vinyl interior standard on Convertible and available on other models
  - Foam-cushioned front and rear seats—extra-thick in front
  - Astro Ventilation system with adjustable vent-ports on instrument panel (Sport Coupe and Convertible only)
  - Courtesy lights under instrument panel (Convertible only)
  - Illuminated heater control panel
  - Armrests front and rear with bright accents
  - Color-keyed deep-twist carpeting
  - Glove compartment lock and light
  - Vinyl-coated luggage compartment mat
  - Cigarette lighter
  - Center dome light (except Convertible)
- ... plus all Chevelle standard convenience and security features.



Center console (RPO D55)—available with Strato-bucket seat interior only

## 300 Deluxe Exterior Features

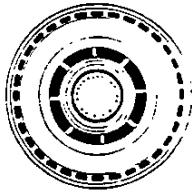
- Silver-finish grille with center emblem and bright outline molding
- White lenses over parking/direction signal lights
- Front fender engine emblem—V8 and optional six only
- Windshield molding
- Hood rear edge molding
- Full door-glass styling (Sport Coupe only)
- Rectangular outside rearview mirror
- Side marker lights—front and rear
- Body sill moldings
- Hub caps
- Rear window molding
- Unitized taillights and back-up lights

## SS 396 Exterior Features

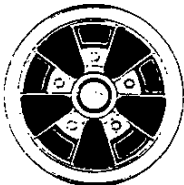
- Black-accented grille with bright center bar, SS nameplate and outline molding
- White lenses over parking/direction signal lights
- SS emblem on front fenders
- Windshield molding
- Hide-A-Way windshield wipers
- Special SS hood
- Hood rear edge molding
- Full door-glass styling (Sport Coupe and Convertible only)
- Rectangular outside rearview mirror
- Bright roof drip moldings (Sport Coupe only)
- Side marker lights—front and rear
- Wide sport striping (RPO D96)
- Wheel opening moldings
- White lettered F70 x 14 wide-oval tires
- Sport wheels with 7" wide rims
- Rear window molding (Sport Coupe only)
- Black rear panel with SS nameplate
- Unitized taillights and back-up lights



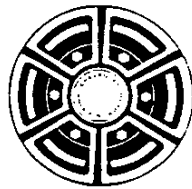
Standard hub cap\*



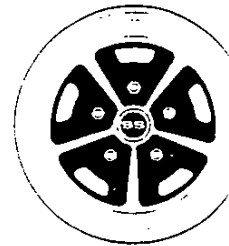
Full wheel cover (RPO PO1)



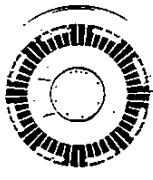
Mag-Style wheel cover (RPO N96)



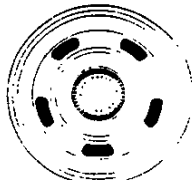
Mag-Spoke wheel cover (RPO PA2)



Sport wheel included with SS 396 equipment



Simulated Wire wheel cover (RPO N95)



Rally Wheel (RPO ZJ7)

\* Also available with Wheel Trim Ring (RPO PO6).

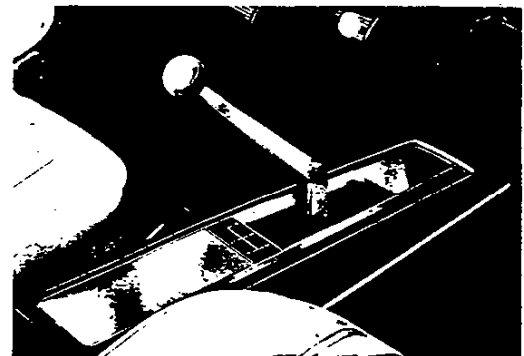
## 300 Deluxe Interior Features

- Attractive cloth interior. Smart all-vinyl interior available.
  - Foam-cushioned front seat
  - Astro Ventilation system with vent-ports on instrument panel (Sport Coupe only)
  - Illuminated heater control panel
  - Armrests front and rear
  - Color-keyed vinyl-coated floor covering
  - Glove compartment lock
  - Cigarette lighter
  - Center dome light
- ... plus all Chevelle standard convenience and security features.

## SS 396 Interior Features\*

- Choice of luxurious all-vinyl or cloth and vinyl interior on Sport Coupe—smart all-vinyl on Convertible
  - Instrument panel molding with SS 396 nameplate
  - Foam-cushioned front and rear seats—extra-thick in front
  - Astro Ventilation system with adjustable vent-ports on instrument panel
  - Courtesy lights under instrument panel—Convertible only
  - Glove compartment lock and light
  - Illuminated heater control panel
  - Armrests front and rear with bright accents
  - Color-keyed deep-twist carpeting
  - Vinyl-coated luggage compartment mat
  - Cigarette lighter
  - Center dome light with bright bezel—except Convertible
- ... plus all Chevelle standard convenience and security features.

*\*When ordered for Malibu Sport Coupe or Convertible*



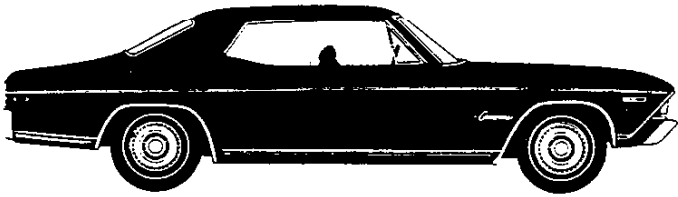
Center console (RPO D55)—available with Strato-bucket seat interior only

## **CHEVELLE SAFETY AND SECURITY FEATURES FOR '69 INCLUDE . . .**

- Energy-absorbing steering column
- Seat belts with pushbutton buckles for *all* passenger positions
- Shoulder belts with pushbutton buckles and special storage provision for driver and right front passenger (except convertibles)
- Two front seat head restraints
- Passenger-guard door locks—with forward-mounted lock buttons
- Four-way hazard warning flasher
- Dual master cylinder brake system with warning light and corrosion-resistant brake lines
- Folding seat back latches
- Dual-speed windshield wipers and washer
- Dual-action safety hood latch
- Outside rearview mirror
- Back-up lights
- Side marker lights and parking lights that illuminate with headlights
- Energy-absorbing instrument panel, padded sun visors
- Reduced-glare instrument panel top, inside windshield moldings, horn button, steering wheel hub, and windshield wiper arms and blades
- Wide inside day-night mirror with deflecting base
- Lane-change feature in direction signal control
- Safety armrests
- Thick-laminate windshield
- Soft, low-profile window control knobs, coat hooks, dome light
- Padded front seat back tops
- Smooth contoured door and window regulator handles
- Anti-theft ignition key warning buzzer
- Anti-theft ignition, steering and transmission lock
- Starter safety switch on all transmissions
- Tire safety rim
- Safety door latches and hinges
- Uniform shift quadrant
- Snag-resistant steering wheel hardware
- Non-projecting wheel nuts, discs and caps
- Improved fuel tank retention
- Headlight aiming access provision
- Improved glove compartment door latches
- Cargo-guard luggage compartment
- Contoured windshield header (except convertible)

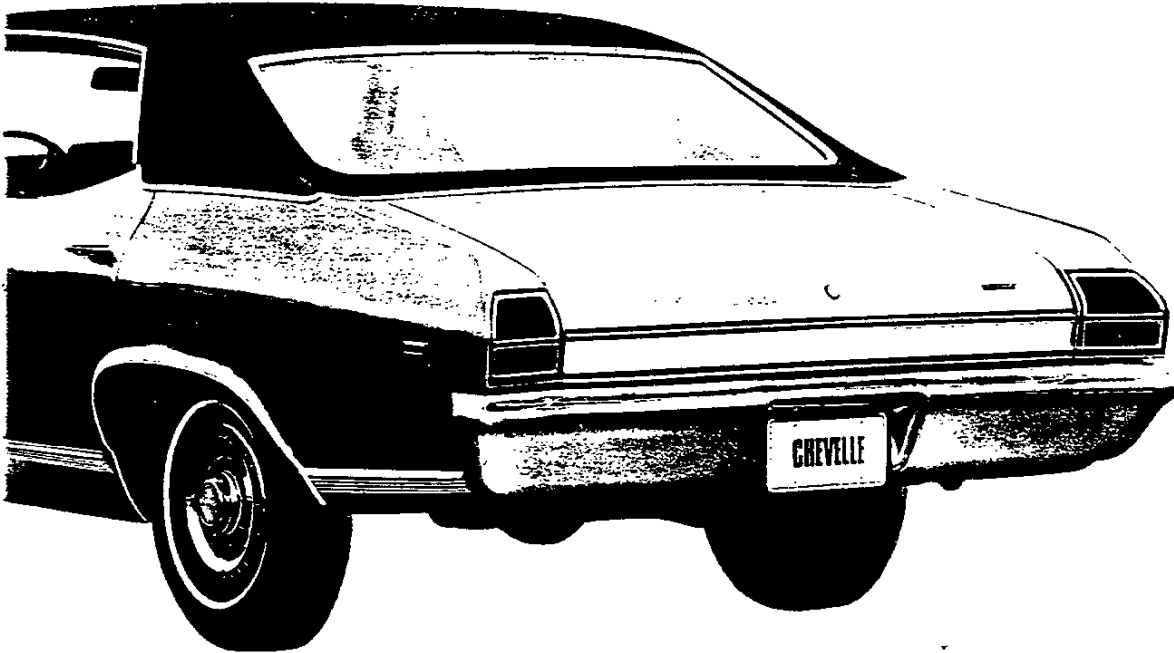
# Concours

RPO ZJ6—available for Malibu Sport Sedan  
EXTERIOR FEATURES AND IDENTIFICATION



Concours Sedan

Smart rear styling features include unitized taillights and back-up lights, silver-finish rear panel, and black-accented moldings.



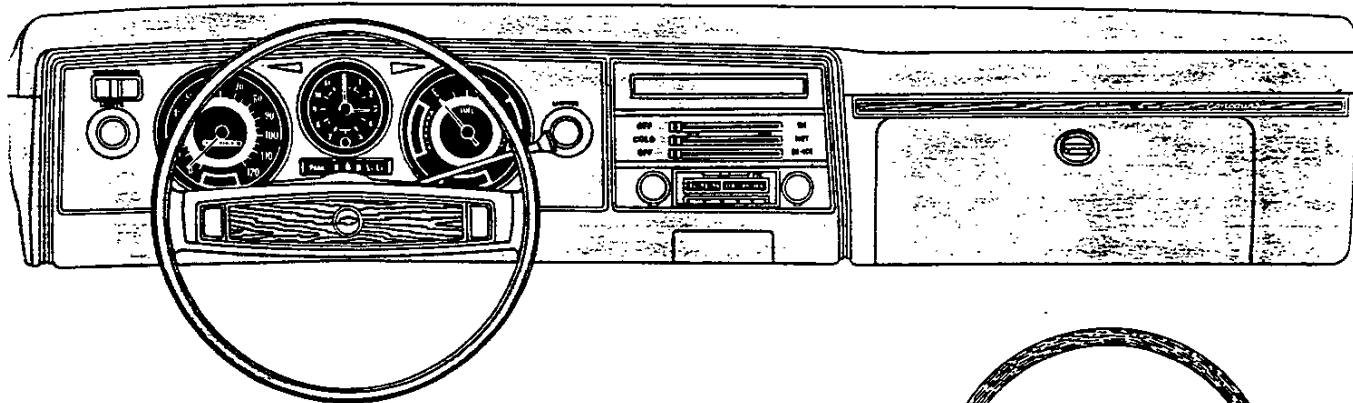
hide-A-Way windshield wipers

—CHEVELLE

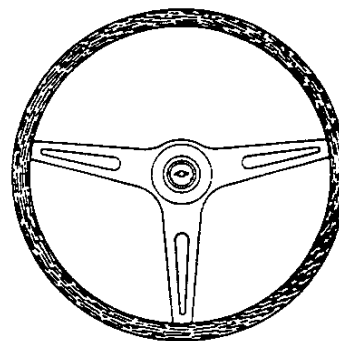
CONCOURS EXTERIOR FEATURES AND IDENTIFICATION

# Concours

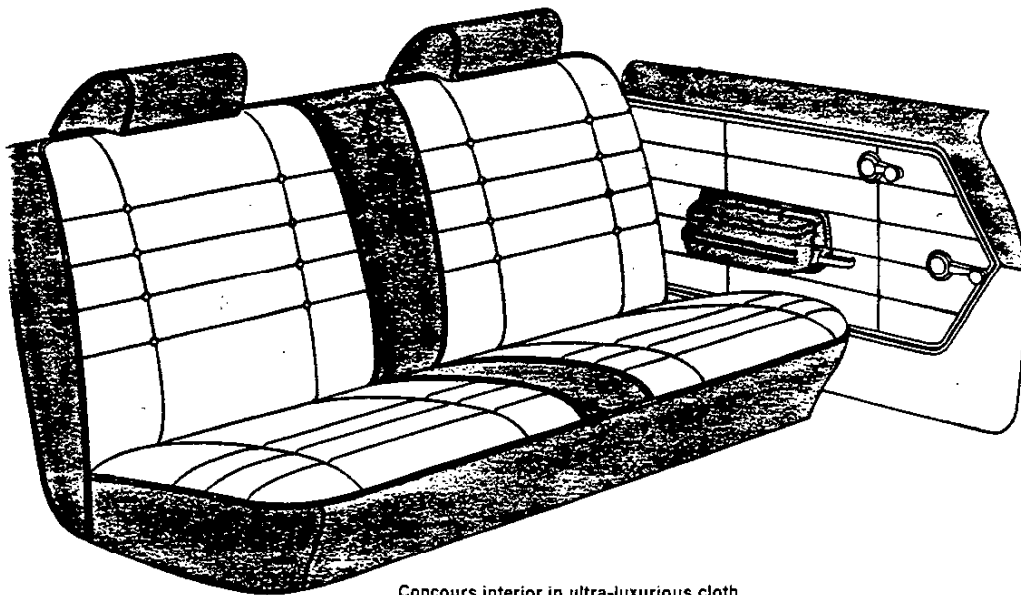
## INTERIOR FEATURES & APPOINTMENTS



Concours instrument panel features include elegant wood-grained accents and steering wheel with horn tabs



Sport-styled steering wheel (RPO N34) with wood-grained plastic rim

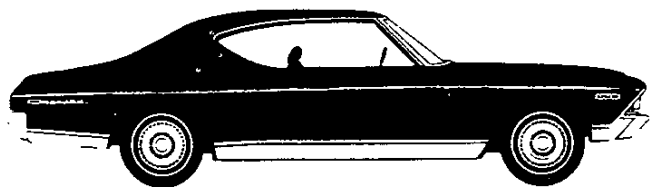


Concours interior in ultra-luxurious cloth

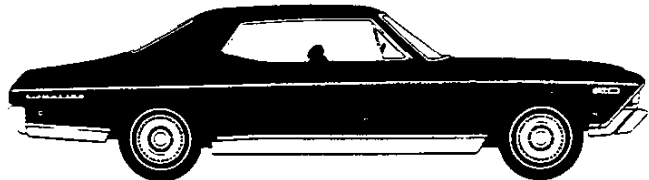


# MALIBU

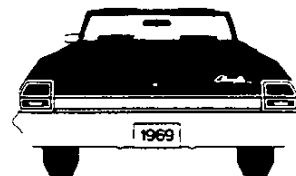
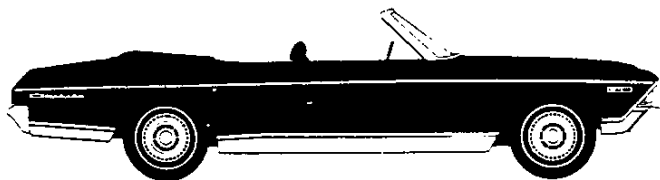
## EXTERIOR FEATURES AND IDENTIFICATION



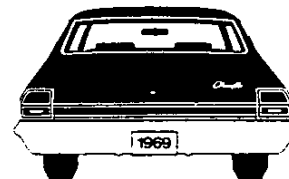
Malibu Sport Coupe



Malibu Sport Sedan



Malibu Convertible

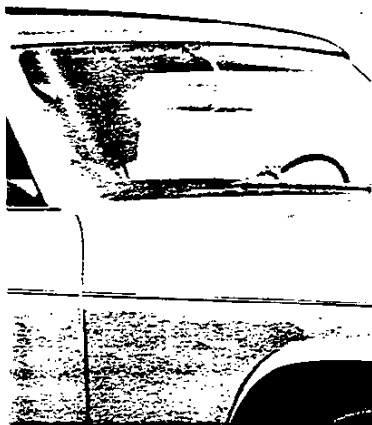


Malibu 4-Door Sedan

Hide-A-Way windshield wipers

Window moldings (RPO B90) for 4-Door Sedan, and upper body side molding (RPO BX4) available for all models.

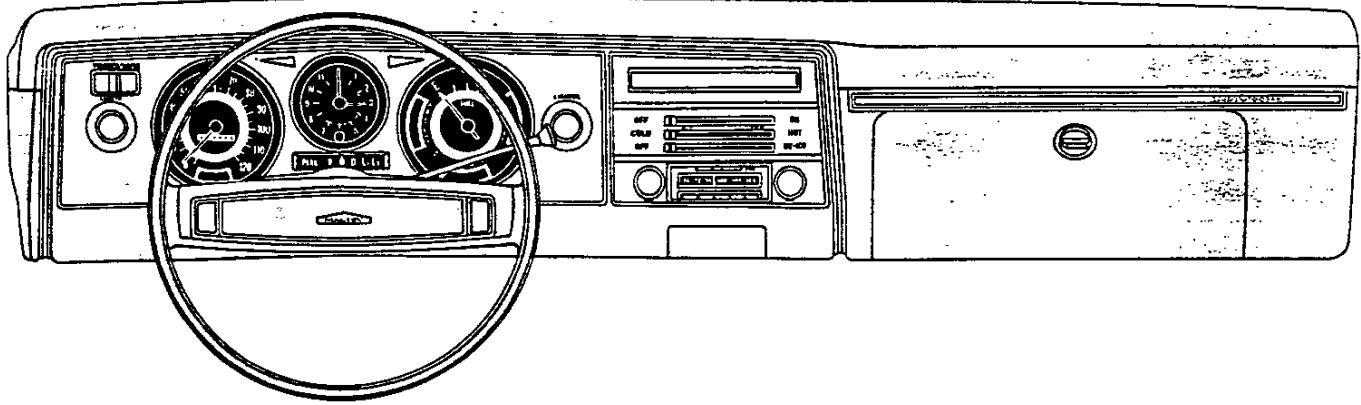
Full door-glass styling on Sport Coupe and Convertible



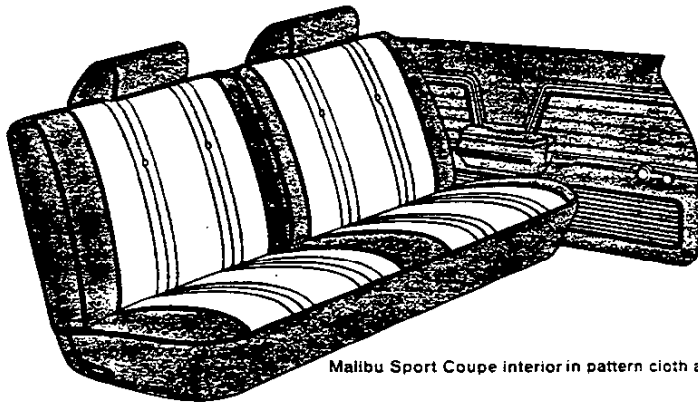
\* PAINT # DUPONT 927 95405  
ARGENT SILVER

# MALIBU

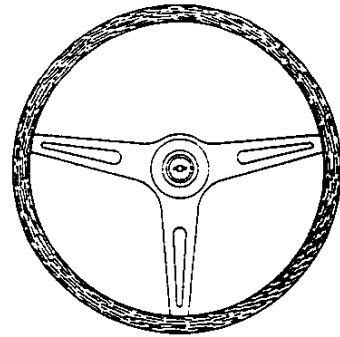
## INTERIOR FEATURES & APPOINTMENTS



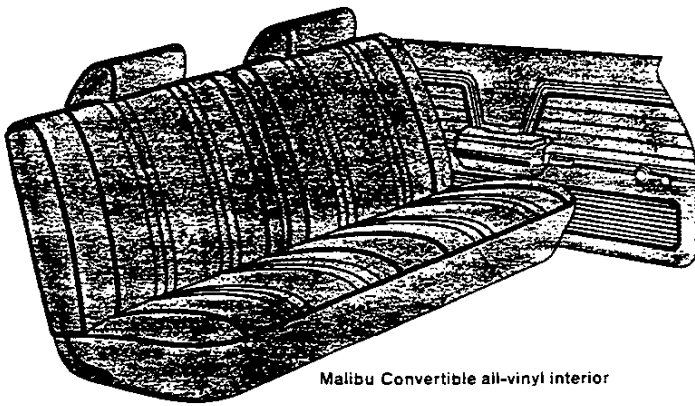
Malibu instrument panel features include bright trim accents plus steering wheel with horn tabs. Sport Coupe and Convertible instrument panels also include Astro Ventilation system bright vent-ports.



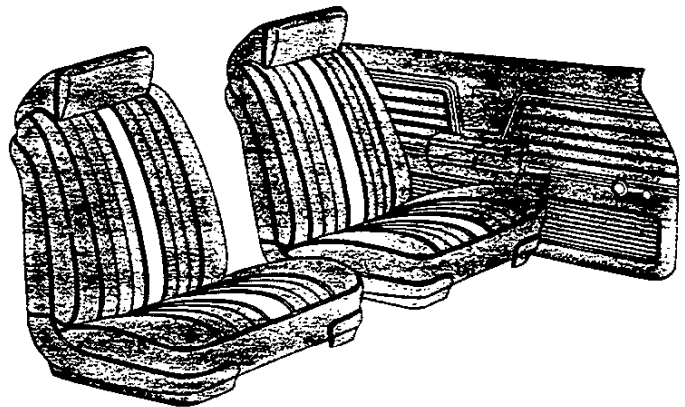
Malibu Sport Coupe interior in pattern cloth and vinyl



Sport-styled steering wheel (RPO N34) with wood-grained plastic rim



Malibu Convertible all-vinyl interior



All-vinyl Strato-bucket seat interior (RPO A51) available for Sport Coupe and Convertible

# SS 396

RPO Z25—available for Malibu Sport Coupe and Convertible or 300 Deluxe Coupe and Sport Coupe  
EXTERIOR FEATURES AND IDENTIFICATION



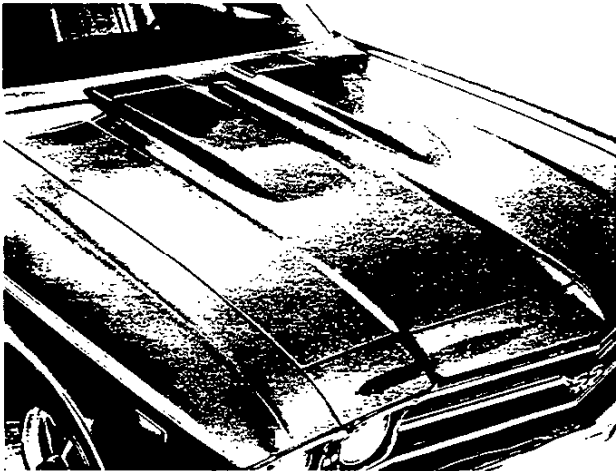
SS 396 Sport Coupe



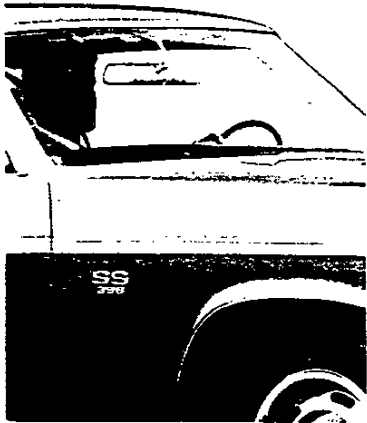
SS 396 Convertible



Distinctive SS hood



Black-accented SS grille



Hide-A-Way windshield wipers



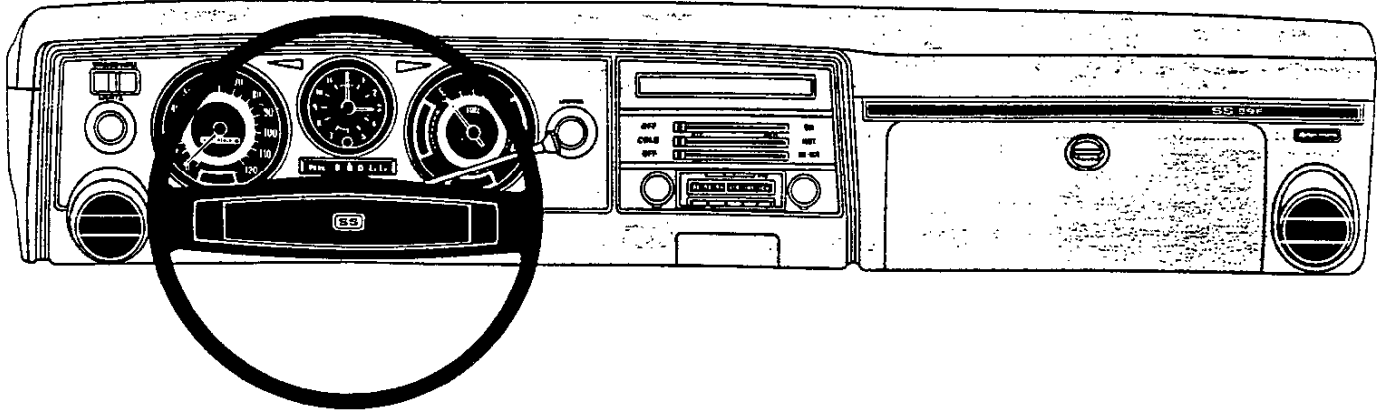
Special bright accents on engine



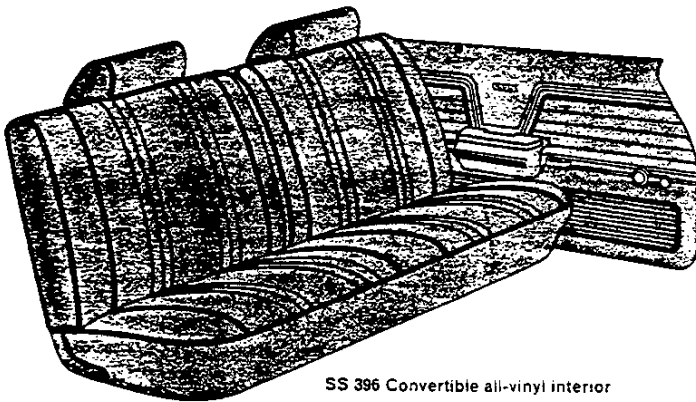
Full door-glass styling on Sport Coupe and Convertible

# SS 396

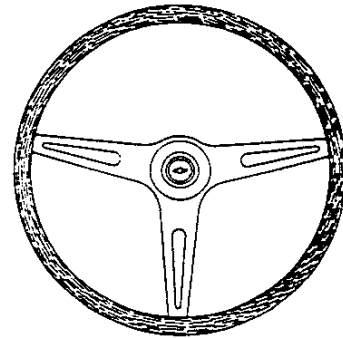
## INTERIOR FEATURES & APPOINTMENTS\*



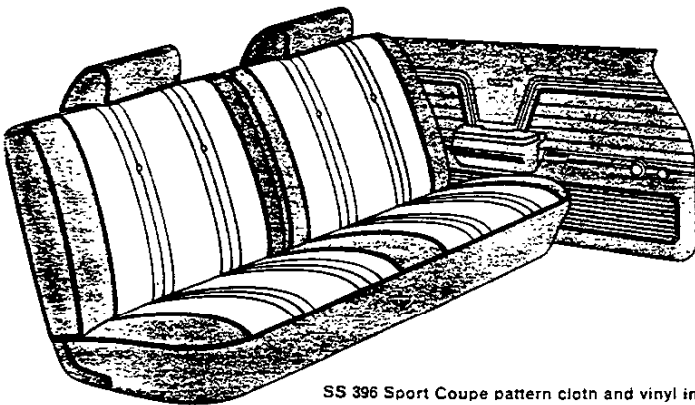
SS 396 instrument panel features bright trim accents including Astro Ventilation system vent-ports, plus steering wheel with horn tabs



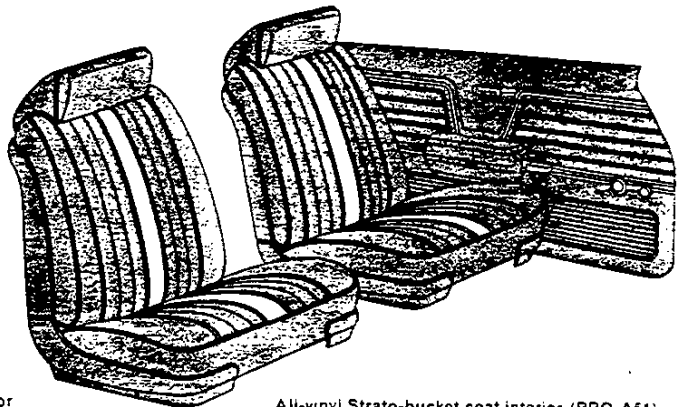
SS 396 Convertible all-vinyl interior



Sport-styled steering wheel (RPO N34) with wood-grained plastic rim



SS 396 Sport Coupe pattern cloth and vinyl interior

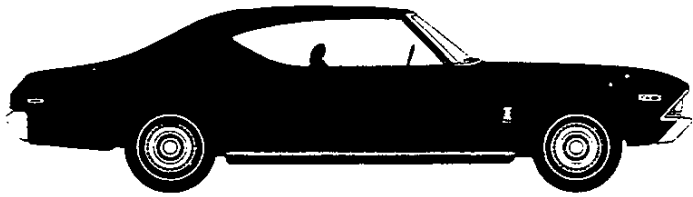


All-vinyl Strato-bucket seat interior (RPO A51)

\*When ordered for Malibu Sport Coupe or Convertible

# 300 Deluxe

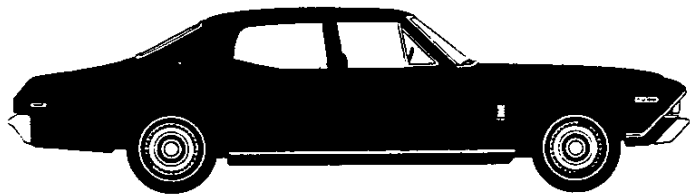
## EXTERIOR FEATURES AND IDENTIFICATION



300 Deluxe Sport Coupe



300 Deluxe Coupe

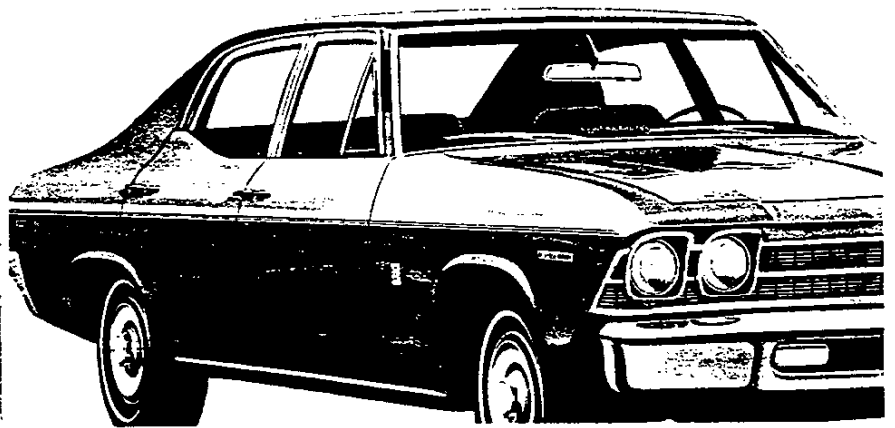


300 Deluxe 4-Door Sedan



Hide-A-Way windshield wipers (RPO C24)

Window moldings (RPO B90) for 4-Door Sedan and Coupe, and body side moldings (RPO BX4) available for all models.



## Vinyl Roof Cover\* Color Choices (RPO C08)

Vinyl Roof Color	Code	Exterior Color Availability
Black	BB	All exterior colors
Parchment	EE	
Dark Brown	FF	Olympic Gold, Butternut Yellow, Champagne, Burnished Brown
Dark Blue	CC	Dover White, Glacier Blue, Dusk Blue, Cortez Silver
Midnight Green	SS	Tuxedo Black, Dover White, Frost Green, Fathom Green

\*Available for all models except Convertible.

## Convertible Top Colors

Choice of white or black convertible top available with all exterior colors.

## Seat and Shoulder Belt Colors

Interior Trim Color	Standard Style Belts	Custom Deluxe Belts*
Black	Black	Black
Blue	Dark Blue	Dark Blue
Medium Green	Dark Green	Dark Green
Parchment	Black	Black
Midnight Green	Dark Green	Midnight Green
Red	Black	Red
Turquoise	Black	Turquoise

\*Available at extra cost—see Options and Prices section. Note: Standard seat and shoulder belt buckles color-keyed; Custom Deluxe buckles brush-finished.

## Body Side Striping Colors—Malibu and SS 396

Exterior Color	Malibu Body Side Accent Striping Colors (Standard)			SS 396 Sport Striping Colors (RPO D96)			Malibu and SS 396 Body Side Striping Colors with Vinyl Roof Cover				
	All Models Except Convertible	Convertible		All Models Except Convertible	Convertible		Black	Parchment	Dark Brown	Dark Blue	Midnight Green
		Black Top	White Top		Black Top	White Top					
Tuxedo Black	White	White	White	White (a)	White	White	White	White	—	—	White
Dover White	Black	Black	Black	Black (b)(c)	Black	Black	Black	Black	—	Black	Black
Glacier Blue	Black	Black	White	Black	Black	White	Black	White	—	Black	—
Dusk Blue	Blue	Blue	White	White	White	White	*Blue *White	White	—	*Blue *White	—
LeMans Blue	White	Black	White	White	Black	White	Black	White	—	—	—
Olympic Gold	Black	Black	White	Black	Black	White	Black	White	Black	—	—
Burnished Brown	Gold	Gold	White	White	White	White	*Gold *White	White	*Gold *White	—	—
Azure Turquoise	Black	Black	White	Black	Black	White	Black	White	—	—	—
Frost Green	Black	Black	Black	Black	Black	White	Black	*Black *White	—	—	Black
Burgundy	Red	Red	White	Red	Red	White	Red	White	—	—	—
Cortez Silver	Black	Black	Black	Black (c)	Black	White	Black	*Black *White	—	Black	—
Garnet Red	Black	Black	White	Black	Black	White	Black	White	—	—	—
Champagne	Black	Black	White	Black	Black	White	Black	White	Black	—	—
Fathom Green	Green	Green	White	White	White	White	*Green *White	White	—	—	White
Butternut Yellow	Black	Black	Black	Black	Black	Black	Black	Black	Black	—	—
Monaco Orange	—	—	—	White	Black	White	Black	White	—	—	—
Daytona Yellow	—	—	—	Black	Black	Black	Black	Black	—	—	—

(a) Red with Black or Red interior. (b) Bright Blue with Blue interior. (c) Red with Red interior. \*Malibu Accent Striping. \*SS 396 Sport Striping (RPO D96).

## 1969 Chevelle Options and Prices\*

Description	PRICE	
	\$	\$

### V8 Models (200-hp Turbo-Fire 307 V8)

**Malibu**

13637	Sport Coupe.....			
13639	Sport Sedan.....			
13667	Convertible.....			
13669	4-Door Sedan.....			

**300 Deluxe**

13437	Sport Coupe.....			
13427	Coupe.....			
13469	4-Door Sedan.....			

### 6-Cylinder Models (140-hp Turbo-Thrift 230 Six)

**Malibu**

13537	Sport Coupe.....			
13539	Sport Sedan.....			
13567	Convertible.....			
13569	4-Door Sedan.....			

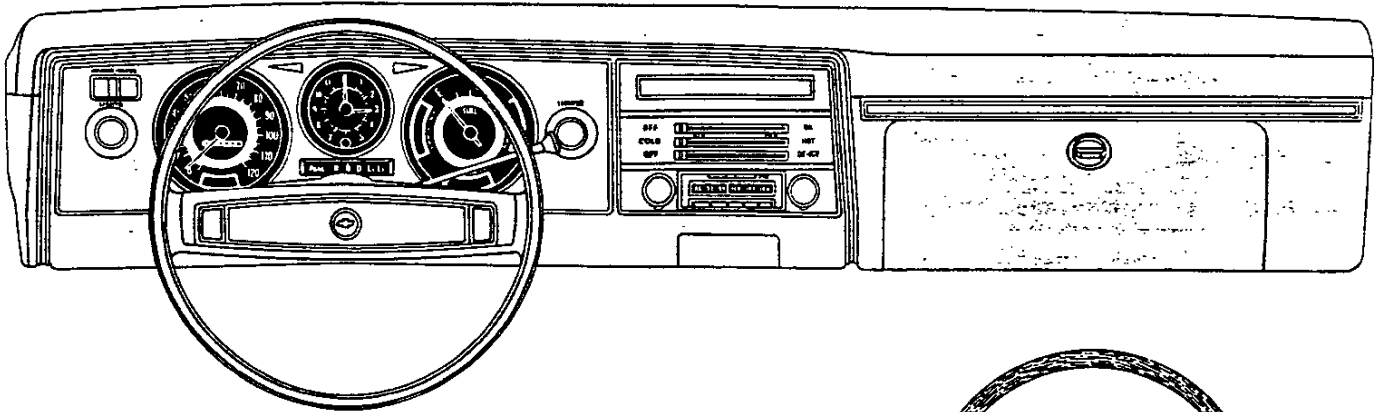
**300 Deluxe**

13337	Sport Coupe.....			
13327	Coupe.....			
13369	4-Door Sedan.....			

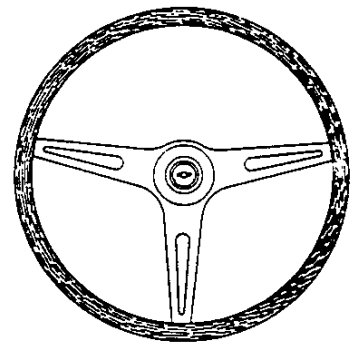
\* Manufacturer's Suggested Retail Prices do not include state and local taxes, license fees, options or accessories.

## 300 Deluxe

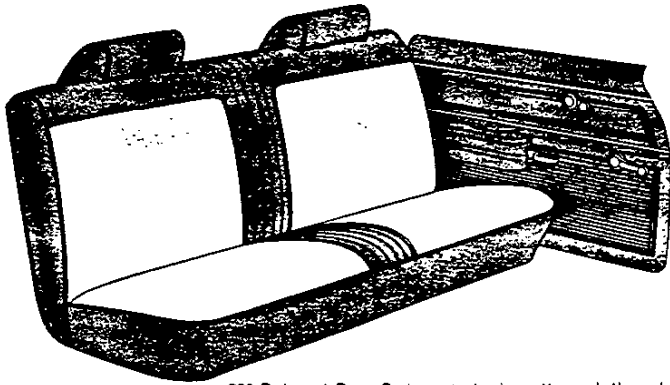
### INTERIOR FEATURES & APPOINTMENTS



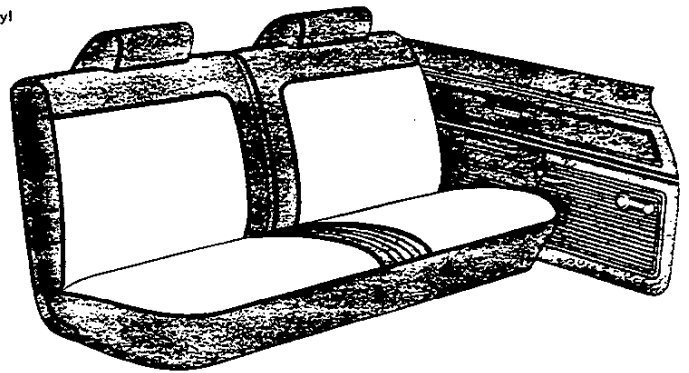
300 Deluxe instrument panel features include bright trim accents plus steering wheel with horn tabs. Sport Coupe instrument panel also includes Astro Ventilation system bright vent-ports.



Sport-styled steering wheel (RPO N34) with wood-grained plastic rim.



300 Deluxe 4-Door Sedan interior in pattern cloth and vinyl



300 Deluxe Coupe all-vinyl interior (RPO 752—black)



## 1969 Chevelle Color and Trim Choices

		INTERIOR TRIM COLOR AND CODE													
		Black			Blue			Medium Green		Parch-ment	Midnight Green			Red	Tur-quoise
		Cloth	Con-cours Cloth RPO ZJ6	Vinyl	Cloth	Con-cours Cloth RPO ZJ6	Vinyl	Cloth	Vinyl	Vinyl	Cloth	Con-cours Cloth RPO ZJ6	Vinyl	Vinyl	Cloth
Type of Seat															
<b>MALIBU</b>	Std. Bench	753		755	762†			783	784	790	782		795	787	779
Sport Coupe	Strato-Bucket (RPO A51)			756			765†		785	791			796	788	
Sport Sedan	Std. Bench	753	754	755	762†	763†		783	784		782	794	795		779
4-Door Sedan	Std. Bench	753		755	762†			783			782				779
Convertible	Std. Bench			755			764†			790				787	
	Strato-Bucket (RPO A51)			756			765†			791				788	
<b>300 DELUXE Sedans &amp; Coupes</b>	Std. Bench	751		752	760††			786							

† Dark Blue.    †† Medium Blue.

EXTERIOR COLOR	CODE																
Tuxedo Black	10		•				•			•	•			•	•		
Dover White	50		•				•			•	•			•	•		
Glacier Blue	53		•				•			•							
Dusk Blue	51		•				•			•							
Le Mans Blue	71		•							•							
Olympic Gold	65		•							•	•						
Burnished Brown	61		•							•							
Azure Turquoise	55		•							•					•		
Frost Green	59		•					•		•	•						
Burgundy	67		•							•				•			
Cortez Silver	69		•				•			•	•			•	•		
Garnet Red	52		•							•				•			
Champagne	63		•							•	•						
Fathom Green	57		•					•		•	•						
Butternut Yellow	40		•							•	•						
Monaco Orange*			•							•							
Daytona Yellow*			•							•							
TWO-TONE*		Lower	Upper														
Glacier Blue (Lwr) Dover White (Upr)	53	50	•				•			•							
Azure Turquoise (Lwr) Dover White (Upr)	55	50	•							•					•		
Glacier Blue (Lwr) Dusk Blue (Upr)	53	51	•				•			•							
Dusk Blue (Lwr) Glacier Blue (Upr)	51	53	•				•			•							
Olympic Gold (Lwr) Dover White (Upr)	65	50	•							•	•						
Burnished Brown (Lwr) Champagne (Upr)	61	63	•							•							

\*Available for all models except Convertible.    \*Available on special order for SS 396 models only.

## 1969 Chevelle Options and Prices

Description	RPO Number	PRICE	
		\$	\$
<b>MODEL OPTIONS</b>			
<b>SS 396:</b> (Malibu Sport Coupe & Convertible; 300 Deluxe Sport Coupe and Coupe). Includes 325-hp Turbo-Jet 396 V8; black accented grille; special hood, ornamentation and suspension plus sport wheels and wide-oval white lettered tires, power disc brakes, and Special 3-Speed transmission.....	Z25	.....	.....
<b>Concours Sedan:</b> (Available for Malibu Sport Sedan only). Includes luxury cloth seat and sidewall trim, steering wheel emblem, instrument panel trim plate, black accented lower body side and wheel opening moldings, deck lid nameplate and special insulation.....	ZJ6	.....	.....

### FEATURE GROUPS\*

#### APPEARANCE GUARD GROUP

INCLUDES:

(A) Front Bumper Guards (All Models).....	V31	.....	.....
(B) Rear Bumper Guards (All Models).....	V32	.....	.....
(C) Door Edge Guards (2-door Models).....	B93	.....	.....
(4-door Models).....	B93	.....	.....
(D) Color-Keyed Floor Mats 2 Front, 2 Rear (All Models).....	B37	.....	.....
(E) Visor Vanity Mirror.....	D34	.....	.....
For Coupes & Convertibles—Includes A, B, C, D & E.....	ZP5	.....	.....
For 4-Door Sedans & Sport Sedan—Includes A, B, C, D & E.....	ZP5	.....	.....

#### OPERATING CONVENIENCE GROUP

INCLUDES:

(A) Electric Clock (Included when special instrumentation is ordered).....	U35	.....	.....
(B) L.H. Outside Remote-Control Rearview Mirror (Not available when SS 396 option is ordered).....	D33	.....	.....
(C) Rear Window Defroster			
All models except convertibles.....	C50	.....	.....
Convertibles.....	C50	.....	.....
For all models except Malibu Sport Coupe or Convertible—Includes A, B & C.....	ZQ2	.....	.....
For Malibu Sport Coupe			
Without special instrumentation or SS 396—Includes A, B & C....	ZQ2	.....	.....
With special instrumentation without SS 396—Includes B & C....	ZQ2	.....	.....
With SS 396 without special instrumentation—Includes A & C....	ZQ2	.....	.....
With SS 396 and special instrumentation—Includes C.....	ZQ2	.....	.....
For Convertibles			
Without special instrumentation or SS 396—Includes A, B & C....	ZQ2	.....	.....
With special instrumentation without SS 396—Includes B & C....	ZQ2	.....	.....
With SS 396 without special instrumentation—Includes A & C....	ZQ2	.....	.....
With SS 396 and special instrumentation—Includes C.....	ZQ2	.....	.....

\*Any item contained in feature groups may be ordered separately.

## 1969 Chevelle Options and Prices

Description	RPO Number	PRICE	
		\$	\$
<b>POWER TEAMS</b>			
<b>Engine:</b> See Power Teams chart for availability			
155-hp Turbo-Thrift 250 Six .....	L22	.....	.....
255-hp Turbo-Fire 350 V8 (Regular grade fuel) .....	LM1	.....	.....
300-hp Turbo-Fire 350 V8 .....	L48	.....	.....
350-hp Turbo-Jet 396 V8. Available only with SS 396 model option	L34	.....	.....
<b>Transmission:</b> See Power Teams section for availability			
<i>Powerglide</i>			
V8 models .....	M35	.....	.....
6-cyl. models .....	M35	.....	.....
<i>Turbo Hydra-Matic</i> .....	M40	.....	.....
<i>Special 3-Speed</i> ; floor-mounted (Included when SS 396 is ordered)	MC1	.....	.....
<i>4-Speed (Wide-Range)</i> .....	M20	.....	.....
<i>4-Speed (Close-Ratio)</i> .....	M21	.....	.....
<b>Axle, Positraction Rear</b> .....	G80	.....	.....
<b>Axle Ratios:</b> See Power Teams chart for availability			
<i>Economy</i> .....	ZQ8	.....	.....
<i>Performance</i> .....	ZQ9	.....	.....
<i>Special Ratio</i> (Other than Standard, Economy or Performance) ...	...	.....	.....

## POWER ASSISTS

<b>Brakes, Power:</b> Drum-type brakes .....	J50	.....	.....
<b>Brakes, Power Disc:</b> Disc-type front brakes (Included when SS 396 is ordered) .....	J50/J52	.....	.....
<b>Door Lock System, Power</b> .....	A93	.....	.....
<b>Steering, Power:</b> (Power brakes recommended) .....	N40	.....	.....
<b>Top, Power:</b> Convertible models only .....	C05	.....	.....
<b>Windows, Power:</b> For Malibu models only .....	A31	.....	.....

## OTHER OPTIONS

<b>Air Conditioning, Four-Season:</b> Includes 61-amp Delcotron, heavy-duty radiator and temperature-controlled radiator fan .....	C60	.....	.....
<b>Battery, Heavy-Duty:</b> 66-plate, 70-amp-hr. ....	T60	.....	.....

## 1969 Chevelle Options and Prices

Description	RPO Number	PRICE	
		\$	\$
<b>Belts, Seat and Shoulder:</b> In addition to or replacing standard belts.			
Standard Style Shoulder Belts			
<i>Convertible Only—</i>			
2 front.....	AS1		
2 front, 2 rear.....	AS1/AS5		
<i>All Models except Convertibles—</i>			
2 rear.....	AS5		
Custom Deluxe Belts			
<i>Seat and Shoulder Belts—</i>			
Coupes with bucket seats—5 seat & 2 shoulder.....	ZK3		
Coupes with conventional seats—6 seat & 2 shoulder.....	ZK3		
Sedans—6 seat & 2 shoulder.....	ZK3		
<i>Seat Belts Only—</i>			
Convertible with bucket seats—5 seat.....	A39		
Convertible with conventional seat—6 seat.....	A39		
<i>Shoulder Belts Only—</i>			
<i>Convertible (Requires Option A39)</i>			
2 front.....	A85		
2 front, 2 rear.....	A85/AS4		
<i>All Models except Convertible (Requires option ZK3)</i>			
2 rear.....	AS4		
<b>Clutch, Heavy-Duty:</b> Dual disc. For 300-, 325-, and 350-hp V8 only	MA6		
<b>Console:</b> Available only when bucket seats are ordered. Includes courtesy light and compartment. Control lever is mounted on console. Not available with std. 3-speed transmission.....	D55		
<b>Exhaust, Dual:</b> For 255-hp or 300-hp engine only.....	N10		
<b>Fan, Radiator:</b> Temperature-controlled. V8 models only. Included when Four-Season air conditioning is ordered.....	K02		
<b>Finish, Special Exterior:</b> Available with SS 396 only. See color and trim section for availability.....			
<b>Generators:</b>			
42-amp Delcotron. Not available when air conditioning is ordered..	K79		
63-amp Delcotron (heavy-duty).			
With air conditioning; not available when power steering is ordered on 6-cyl models.....	K85		
Without air conditioning.....	K85		
<b>Glass, Soft-Ray Tinted:</b> All windows.....	A01		
<b>Headlight Washer</b> .....	CE1		
<b>Heater, Engine Block</b> .....	K05		
<b>Instrumentation, Special:</b> Available on V8 Malibu Coupes or Convertible only. Includes clock, tachometer, ammeter, temperature and oil pressure gauges.....	U14		
<b>Light Monitoring System</b> .....	U46		
<b>Lighting, Auxiliary:</b>			
(A) Ashtray Light			
(B) Courtesy Lights			
(C) Glove Compartment Light			
(D) Luggage Compartment Light			
(E) Underhood Light			
(F) Mirror Maplight			
For Convertible—Includes A, D, E & F.....	ZJ9		
For Malibu Sedans. Sport Coupe—Includes A, B, D, E & F.....	ZJ9		
For 300 Deluxe Models—Includes A, B, C, D, E & F.....	ZJ9		

## 1969 Chevelle Options and Prices

Description	RPO Number	PRICE	
		\$	\$
<b>Molding, Upper Body Side:</b> Not available when SS 396 is ordered	BX4		
<b>Moldings, Window:</b>			
300 Deluxe Coupes.....	B90		
4-Door Sedans.....	B90		
<b>Radiator, Heavy-Duty:</b> Included when air conditioning is ordered	V01		
<b>Radio Equipment:</b>			
Radios, Pushbutton—with front antenna			
AM Radio.....	U63		
AM/FM Radio.....	U69		
AM/FM Stereo.....	U79		
Antenna, Rear—not available with AM/FM Radio (Manual).....	U73		
Speaker, Rear Seat—not available when Stereo is ordered.....	U80		
<b>Roof Cover, Vinyl:</b> Not available on Convertible. (Solid exterior colors only)			
Black.....	BB		
Dark Blue.....	CC		
Parchment.....	EE		
Midnight Green.....	SS		
Dark Brown.....	FF		
<b>Seats, Strato-Bucket:</b> Malibu Sport Coupe or Convertible only....	A51		
<b>Speed Warning Indicator.....</b>	U15		
<b>Steering Wheel, Comfortilt:</b> Available only when automatic or floor-mounted transmission is ordered.....	N33		
<b>Steering Wheel, Sport-Styled:</b> Wood-grained plastic rim.....	N34		
<b>Stereo Tape System:</b> Includes four speakers. Not available when rear window defroster is ordered.....	U57		
<b>Striping, Sport:</b> Available only when SS 396 is ordered.....	D96		
<b>Suspension, Special Front and Rear:</b> includes special front and rear springs and shock absorbers.....	F40		
<b>Top, Convertible:</b> <i>Manual.</i> Available with all exterior colors			
White.....	AA		
Black.....	BB		
<b>Trim, Interior:</b> For availability see Color & Trim section			
<i>All-vinyl</i>			
Malibu Sport Coupe, 4-Door Sedan and Sport Sedan.....			
300 Deluxe models.....			
<b>Two-Tone Finish:</b> Coupe and sedan models only.			
<b>Ventilation, HD Closed Positive Engine:</b> Not available when 350-hp engine is ordered.....	KD5		
<b>Wheel Covers, Full:</b> (Four) Not available with SS 396 option.....	P01		
<b>Wheel Covers, Mag-Style:</b> Not available with SS 396 option.....	N96		
<b>Wheel Covers, Mag-Spoke:</b> Not available with SS 396 option....	PA2		
<b>Wheel Covers, Simulated Wire:</b> Not available with SS 396 option	N95		
<b>Wheel Trim Rings:</b> For use with standard hubcaps. Not available with SS 396 option.....	P06		
<b>Wheels, Rally:</b> Includes special wheel, center cap and trim ring. Not available with SS 396 option.....	ZJ7		

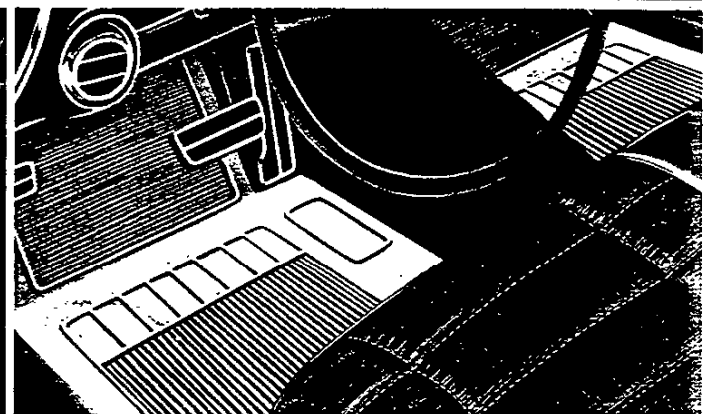
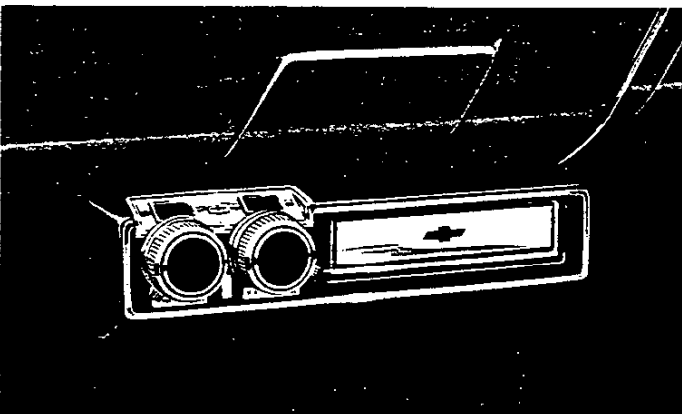
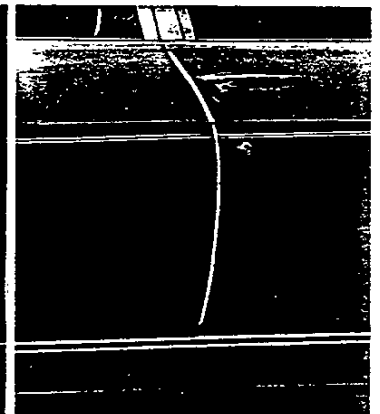
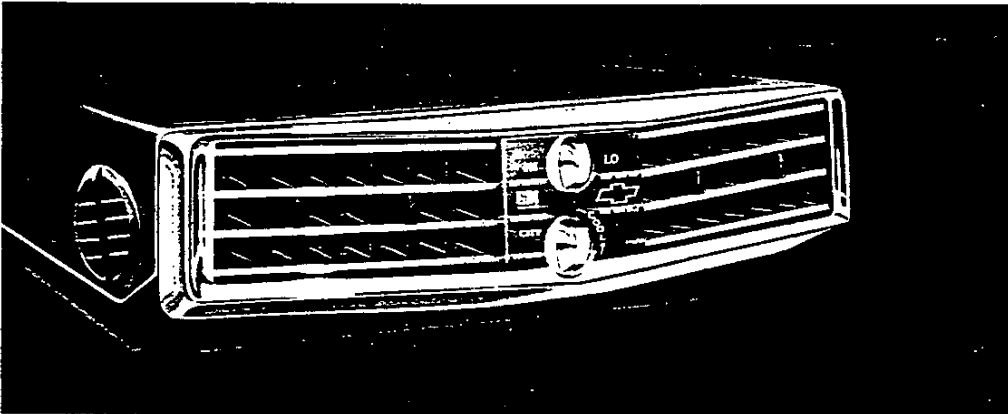
## 1969 Chevelle Options and Prices

Description	RPO Number	PRICE	
		\$	\$
Windshield Wipers, Hide-A-Way: Standard on Malibu. Includes articulated left blade.....	C24		
<b>FACTORY INSTALLED REGULAR PRODUCTION TUBELESS TIRES</b>			
<b>Replaces (5) 7.35 x 14 Original Equipment Blackwall</b>			
(5) 7.35 x 14 Original Equipment Whitewall.....	P58		
(5) 7.75 x 14 Original Equipment Blackwall.....	P65		
(5) 7.75 x 14 Original Equipment Whitewall.....	P62		
(5) F70 x 14 Special Red Stripe.....	PW8		
(5) F70 x 14 Special White Stripe.....	PW7		
(5) F70 x 14 Special Belted Red Stripe.....	PY5		
(5) F70 x 14 Special Belted White Stripe.....	PY4		
(5) F70 x 14 Special Blackwall with White Lettering.....	PL5		
(5) F78 x 14 Special Belted Blackwall.....	PX5		
(5) F78 x 14 Special Belted Whitewall.....	PX6		
<b>Replaces (5) 7.75 x 14 Original Equipment Blackwall</b>			
(5) 7.75 x 14 Original Equipment Whitewall.....	P62		
(5) F70 x 14 Special Red Stripe.....	PW8		
(5) F70 x 14 Special White Stripe.....	PW7		
(5) F70 x 14 Special Belted Red Stripe.....	PY5		
(5) F70 x 14 Special Belted White Stripe.....	PY4		
(5) F70 x 14 Special Blackwall with White Lettering.....	PL5		
(5) F78 x 14 Special Belted Blackwall.....	PX5		
(5) F78 x 14 Special Belted Whitewall.....	PX6		
<b>Replaces (5) F70 x 14 Special Blackwall with White Lettering (SS 396)</b>			
(5) F70 x 14 Special Red Stripe.....	PW8		
(5) F70 x 14 Special White Stripe.....	PW7		
(5) F70 x 14 Special Belted Red Stripe.....	PY5		
(5) F70 x 14 Special Belted White Stripe.....	PY4		



AIR CONDITIONER

DOOR EDGE GUARDS

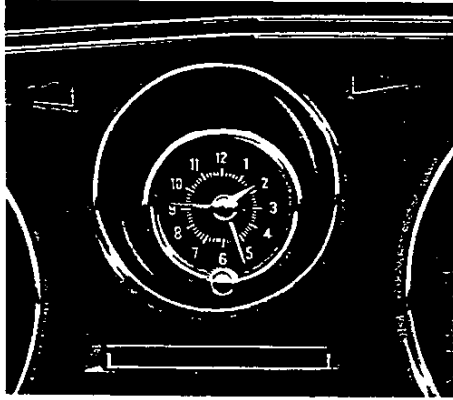


TAPE PLAYER

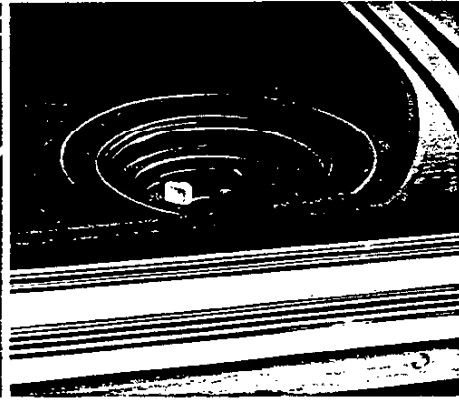
CONTOUR FLOOR MATS

69-CHEVELLE

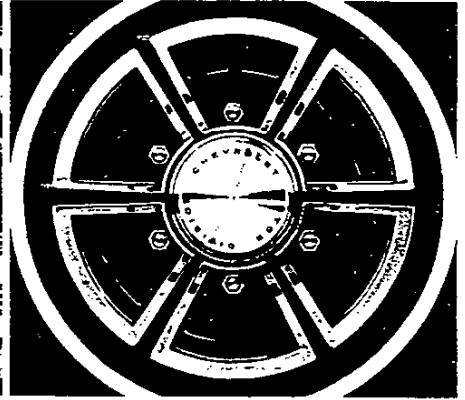
CHEVELLE CUSTOM FEATURES



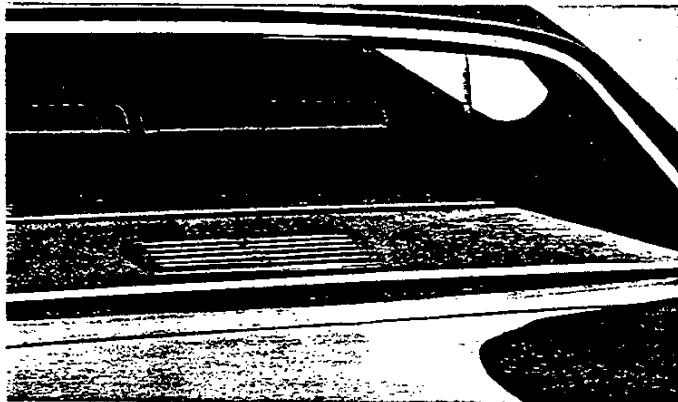
ELECTRIC CLOCK



SPARE WHEEL LOCK



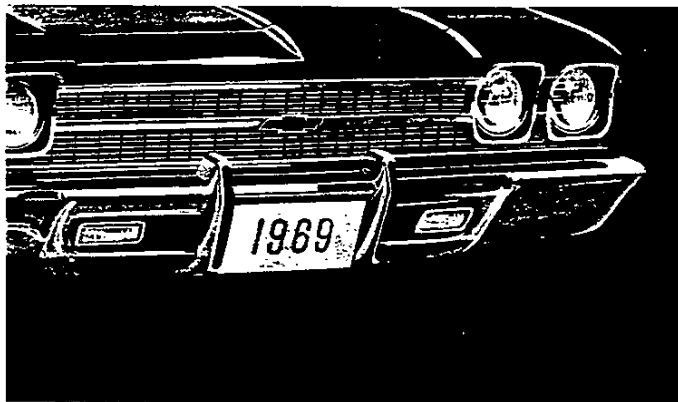
MAGNESIUM WHEEL COVER



REAR WINDOW DEFOGGER



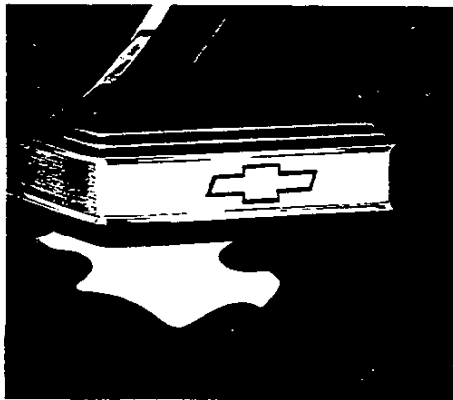
CRUISE MASTER SPEED CONTROL



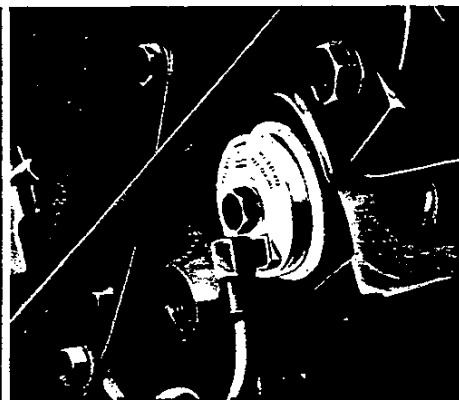
FRT. & REAR BUMPER GUARDS



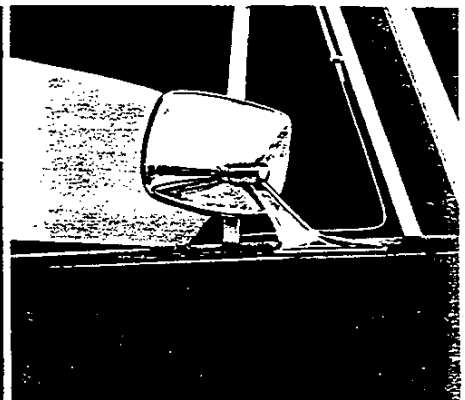
AUTOMATIC TRUNK OPENER



TISSUE DISPENSER



ENGINE BLOCK HEATER



RIGHT-HAND REAR VIEW MIRROR



## 1969 Chevelle Power Teams

### ENGINES / TRANSMISSIONS / AXLE RATIOS

ENGINE	TRANSMISSION	REAR AXLE RATIO MODEL APPLICATION	REAR AXLE RATIO							
			Without Air Conditioning				With Air Conditioning			
			Standard	Economy†	Performance†	Special†	Standard	Economy†	Performance†	Special†
STANDARD SIX 140-HP TURBO-THRIFT 230 230-CU.-IN. SIX	3-Speed (2.85:1 Low)	All models	3.08:1		3.36:1		3.36:1		3.55:1	
	Special 3-Speed (3.03:1 Low)									
	Powerglide	All models	3.08:1	2.73:1	3.36:1		3.36:1	3.08:1	3.55:1	
	Turbo Hydra-Matic	All models	2.73:1	2.56:1	3.08:1	3.36:1	3.08:1	2.73:1	3.36:1	
RPO L22 155-HP TURBO-THRIFT 250 250-CU.-IN. SIX	3-Speed (2.85:1 Low)	All models	3.08:1	2.73:1	3.36:1		3.36:1	3.08:1	3.55:1	
	Special 3-Speed (3.03:1 Low)									
	Powerglide	All models	3.08:1	2.73:1	3.36:1	3.55:1	3.36:1	3.08:1	3.55:1	
	Turbo Hydra-Matic	All models	2.73:1	2.56:1	3.08:1	3.36:1	3.08:1	2.73:1	3.36:1	
STANDARD V8 200-HP TURBO-FIRE 307 307-CU.-IN. V8	3-Speed (2.85:1 Low)	All models	3.08:1	2.73:1	3.36:1		3.36:1	3.08:1	3.55:1	
	Special 3-Speed (3.03:1 Low)									
	4-Speed (2.85:1 Low)	All models	3.36:1	3.08:1	3.55:1		3.36:1	3.08:1	3.55:1	
	Powerglide	All models	3.08:1	2.73:1	3.36:1	3.55:1	3.36:1	3.08:1	3.55:1	
	Turbo Hydra-Matic	All models	2.73:1	2.56:1	3.08:1	3.36:1	3.08:1	2.73:1	3.36:1	
RPO LM1 255-HP TURBO-FIRE 350 350-CU.-IN. V8	Special 3-Speed (2.42:1 Low)	All models	3.31:1	3.07:1	3.55:1		3.31:1	3.07:1	3.55:1	
	4-Speed (2.52:1 Low)									
	Powerglide	All models	2.73:1	2.56:1	3.08:1	3.36:1	2.73:1	2.56:1	3.08:1	3.36:1
	Turbo Hydra-Matic	All models	2.56:1			3.36:1 3.08:1	2.56:1			3.36:1 3.08:1
RPO L48 300-HP TURBO-FIRE 350 350-CU.-IN. V8	Special 3-Speed (2.42:1 Low)	All models	3.31:1	3.07:1	3.55:1		3.31:1	3.07:1	3.55:1	
	4-Speed (2.52:1 Low)									
	Powerglide	All models	2.73:1	2.56:1	3.08:1	3.36:1	2.73:1	2.56:1	3.08:1	3.36:1
	Turbo Hydra-Matic	All models	2.56:1			3.08:1 3.36:1	2.56:1			3.08:1 3.36:1
325-HP TURBO-JET 396 396-CU.-IN. V8  INCLUDED WITH SS 396 EQUIPMENT (RPO Z25)	Special 3-Speed (2.42:1 Low)	All models	3.31:1	3.07:1	3.55:1	3.73:1* 4.10:1*	3.31:1	3.07:1	3.55:1	3.73:1*
	4-Speed (2.52:1 Low)	All models	3.55:1	3.31:1	3.73:1	3.07:1 4.10:1*	3.55:1	3.31:1	3.73:1	3.07:1
	Turbo Hydra-Matic	All models	3.31:1	3.07:1		2.73:1	3.31:1	3.07:1		2.73:1
RPO L34 350-HP TURBO-JET 396 396-CU.-IN. V8  AVAILABLE WITH SS 396 EQUIPMENT (RPO Z25) ONLY	Special 3-Speed (2.42:1 Low)	All models	3.55:1	3.31:1	3.73:1*	4.10:1*	3.55:1	3.31:1	3.73:1*	
	4-Speed (2.52:1 Low)									
	4-Speed (2.20:1 Low)	All models	3.55:1	3.31:1	3.73:1*	3.07:1 4.10:1*	3.55:1	3.31:1	3.73:1*	3.07:1
	Turbo Hydra-Matic									

Note: Positraction rear axle available in all axle ratios.

†Available at extra cost—see Options and Prices section.

\*Available as Positraction axle only.

## Transmissions

TRANSMISSION	ENGINES	TRANSMISSION GEAR RATIOS (:1)					SHIFT SELECTOR LOCATIONS		
		1	2	3	4	R	Column	Floor	Console*
3-SPEED FULLY SYNCHRONIZED (STANDARD)	140-hp 6	2.85	1.68	1.00		2.95	•		
	155-hp 6								
	200-hp V8								
SPECIAL 3-SPEED FULLY SYNCHRONIZED (RPO MC1)	140-hp 6	3.03	1.75	1.00		3.02		•	•
	155-hp 6								
4-SPEED FULLY SYNCHRONIZED (RPO M20)	200-hp V8	2.42	1.59	1.00		2.41			
	255-hp V8	2.52	1.88	1.46	1.00	2.59	•	•	
	300-hp V8								
	325-hp V8								
350-hp V8	2.25	2.92	1.35		2.85				
4-SPEED FULLY SYNCHRONIZED (RPO M21)	350-hp V8	2.20	1.64	1.27	1.00	2.26		•	•
POWERGLIDE (RPO M35)	140-hp 6	Drive (maximum)—3.82:1 to 1:1 Low and reverse—3.82:1 to 1.82:1					•		•
	155-hp 6								
TURBO HYDRA-MATIC (RPO M40)	200-hp V8	Drive (maximum)—3.70:1 to 1:1 Low and reverse—3.70:1 to 1.76:1					•		•
	255-hp V8								
	300-hp V8	Drive (maximum)—5.29:1 to 1:1 Low 2—5.29:1 to 1.52:1 Low 1—5.29:1 to 2.52:1 Reverse—4.05:1 to 1.93:1					•		•
	140-hp 6								
	155-hp 6								
255-hp V8	Drive (maximum)—5.21:1 to 1:1 Low 2—5.21:1 to 1.48:1 Low 1—5.21:1 to 2.48:1 Reverse—4.37:1 to 2.09:1					•		•	
300-hp V8									
325-hp V8									
350-hp V8									

\*Optional at extra cost.

### Clutches for Chevelle 3- and 4-Speed Transmission Power Teams

Type	Standard and Heavy-Duty*	140-hp Six	155-hp Six	200-hp 307 V8	255-hp 350 V8	300-hp 350 V8	325- & 350-hp 396 V8's
		3-Speed	3-Speed	3-Speed   4-Speed	3- & 4-Speed	3- & 4-Speed	3- & 4-Speed
Disc Facing Material	Standard and Heavy-Duty*	Diaphragm spring with single dry disc			Semi-centrifugal bent-finger design diaphragm spring with single dry disc (dual dry discs with heavy-duty clutch)		
Disc Facing Outside Diameter	Standard	9.12"			10.34"		11.00"
	Heavy-Duty*	—			—		10.00"
Disc Facing Total Area (sq. in.)	Standard	71.82			101.54		123.70
	Heavy-Duty*	—			—		201.06
Spring Effective Plate Load (lbs.)	Standard	1650-1850		1900-2200	2100-2300		2450-2750
	Heavy-Duty*	—			—		1400-1600

\*RPO MA6—Heavy-Duty Clutch (dual disc).

### Equipment Included With Optional\* V8 Engines

Important equipment is included with 350- and 396-cu.-in. V8 engines, supplementing or replacing equipment included with the standard 200-hp 307-cu.-in. V8 engine. Other specialized equipment is also available (see Options and Prices section).

	255-hp 350	300-hp 350	325-hp 396	350-hp 396
Heavier duty front and rear springs	•	•	•	•
Heavier duty front and rear shock absorbers			•	•
Heavier front stabilizer bar			•	•
Rear suspension frame reinforcement			•	•
Ring gear—8.875" dia.	•†	•	•	•
Single exhaust (2½-in. dia.)	•			
Dual exhaust (2½-in. dia.)	*	*	•	
Dual chamfered exhaust (2¼-in. dia.)			*	•
Heavier duty clutch	•	•	•	•
7.75 x 14 tires	• (a)	• (a)		
Wide-oval F70 x 14 white lettered tires with 14" x 7" wheels			•	•
61-ampere-hour battery	•	•	•	•
High-flow air cleaner				•
Higher performance starting motor	•	•	•	•
Special chrome accents on engine*			•	•
Large in-line fuel filter and vapor return line to fuel tank			•	•

(a) 7.75 x 14 tires standard on Malibu Sport Sedan and Convertible models. \*Optional at extra cost.

†With manual transmissions only. •Chrome-finish air cleaner, valve rocker covers and oil filler cap.

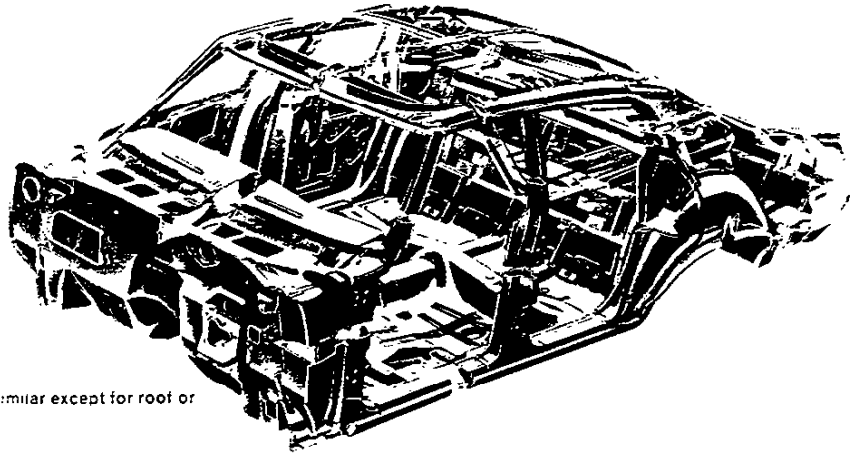
## 1969 Chevelle Engine Specifications

GENERAL SPECIFICATIONS	140-hp Turbo-Thrift 230	155-hp Turbo-Thrift 250	200-hp Turbo-Fire 307	255-hp Turbo-Fire 350 †	300-hp Turbo-Fire 350 †	325-hp Turbo-Jet 396	350-hp Turbo-Jet 396
Displacement	230 cu. in.		307 cu. in.	350 cu. in.		396 cu. in.	
Bore and Stroke	3.875"x3.25"		3.875"x3.25"	4.00"x3.43"		4.094"x3.76"	
HP @ RPM	140 @ 4300	155 @ 4200	200 @ 4500	255 @ 4800	300 @ 4500	325 @ 4800	350 @ 5200
Torque @ RPM (lbs. ft.)	220 @ 1600	188 @ 1600	300 @ 2400	355 @ 3200	330 @ 3200	410 @ 3200	415 @ 3400
Compression ratio	8.5:1		9.00:1		10.25:1		
Carburetion	Single-barrel		2-barrel	4-barrel			
Fuel requirement	Regular*		Regular*		Premium		
Camshaft type	Economy-Contoured		General Performance				High Performance
Valve lifters	Hydraulic						
Exhaust	Single					Dual	
<b>BASIC DESIGN</b>							
Engine type	6-cylinder—V6—valve-in-head			V8—Valve-in-head			
Exhaust emission control	Air Injection Reactor System (Controlled Combustion System with automatic transmissions except on 350-hp 396-cu.-in. V8)						
Cylinder block	Cast alloy iron			Cast alloy iron**			
Cylinder heads	Cast alloy iron with precision-cast wedge-type combustion chambers					Cast alloy iron***	
Crankshaft	Cast nodular iron †						Forged alloy steel
Main bearings	7—Steel-backed replaceable insert type		5—Steel-backed replaceable insert type ‡				
Pistons	Cast aluminum alloy						
Piston Rings	Top	Chrome plated				Molybdenum-inlay	
	Second	Wear-resistant coated				Chrome plated	
	Oil control	Three-piece (two rails and one spacer-expander)					
Connecting rods	Forged alloy steel					Forged high alloy steel	
Flywheel	Machined cast alloy iron with manual transmissions, pressed steel with automatic transmissions						
<b>FUEL SYSTEM</b>							
Intake manifold	Cast alloy iron=						
Carburetor type	Single-barrel		2-barrel	4-barrel			
Choke	Automatic						
Air cleaner	Oil-wetted paper element						
Fuel pump	Camshaft-driven mechanical pulsator-type						
Fuel filters	Dual filtration system—paper filter in carburetor, fine-mesh fuel strainer in tank††						
<small>*Regular grade fuel recommended except in areas where octane ratings of regular gasolines are below minimum engine requirements.  **Extra-thick bulkheads for greater strength and more rigidity crankshaft support.  ***With alternately spaced inlet and exhaust valve ports and precision-formed modified-wedge combustion chambers.</small>				<small>†Fully counterweighted on 155-hp six.  ‡Special wide-base main bearing caps on 300-hp 350-cu.-in. V8 and 396-cu.-in. V8s.  =Sixes—3-port rectangular section; V8s—3-port double deck.  ††Triple filtration system plus vapor return line to fuel tank on 396-cu.-in. V8s. Includes large in-line fuel filter in addition to carburetor and fuel tank filters.</small>			

## 1969 Chevelle Engine Specifications

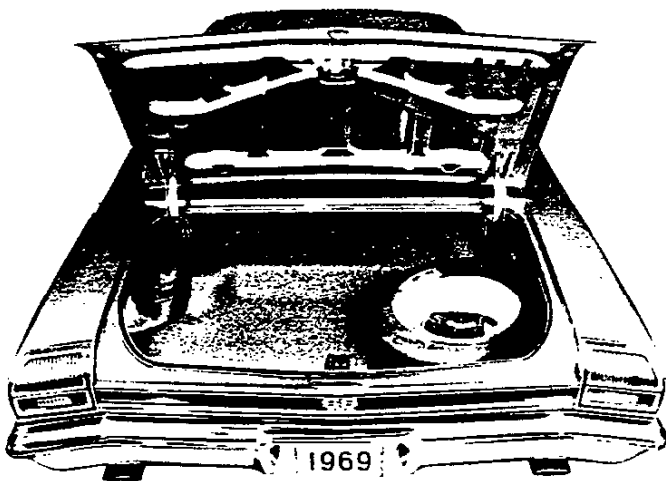
VALVE SYSTEM	140-hp Turbo-Thrift 230	155-hp Turbo-Thrift 250	200-hp Turbo-Fire 307	255-hp Turbo-Fire 350	300-hp Turbo-Fire 350	325-hp Turbo-Jet 396	350-hp Turbo-Jet 396
Type	Valve-in-head with independent operating mechanism for each valve						
Valve guides/seats	Machined in cylinder heads (cast alloy iron valve guide inserts on 396-cu.-in. V8s)						
Inlet valves	Alloy steel					Alloy steel with aluminized face and head	
Exhaust valves	High alloy steel			High alloy steel with aluminized face		High alloy steel with aluminized face and head	
Rocker arms	Pressed steel with ball and socket mounting						
Push rods	Tubular steel with hardened ends (hardened steel inserts on 396-cu.-in. V8s)						
Camshaft material	Wear-resistant-coated cast alloy iron						
Camshaft bearings	4—steel-backed babbitt			5—steel-backed babbitt			
Camshaft drive	Gear-driven from crankshaft			Chain-driven from crankshaft			
<b>EXHAUST SYSTEM</b>							
Type	Single 2.0" system			Single 2.5" system*		Dual 2.5" system**	Dual 2.25" chambered system
Exhaust manifold/s	Cast alloy iron 4-port design: sixes—center downtake: V8s—rear downtake (tuned 4-port manifolds on 396-cu.-in. V8s)						
Muffler design and construction	Oval reverse-flow type, rolled lock seam construction (A)						Three individual in-line chambers integral with system pipes
Resonators	None						
<b>ELECTRICAL SYSTEM</b>							
Battery	12-volt, 45-ampere-hour energizer type			12-volt, 61-ampere-hour energizer type			
Generator	37-ampere Delcotron diode-rectifying type						
Starter	Positive-engagement type			Positive-engagement high-torque type			
Distributor	Single-breaker type with combination centrifugal and vacuum advance						
Ignition coil	12-volt, hermetically sealed						
Ignition wiring	Non-metallic high-tension cable, neoprene insulated						
Spark plugs	ACR 46 N		ACR 45 S	ACR 44 S		ACR 44 N	
<b>COOLING SYSTEM</b>							
Type	Pressurized liquid system with full-length water jackets surrounding cylinder barrels						
Radiator	Cross-flow type with 15-lb. pressure cap						
Radiator frontal area	353 sq. in.				480 sq. in.		
Water pump	Centrifugal type with sealed double-row bearing						
Water pump capacity	60 gal./min.		54 gal./min.	57 gal./min.		82 gal./min.	
Thermostat	Pellet type						
Fan	4-blade, 17.62" diameter						
Water pump/fan drive	Single-belt drive from crankshaft pulley						
<b>LUBRICATION SYSTEM</b>							
Type	Controlled full-pressure system						
Oil filter	Full-flow throwaway canister type						
Oil pump	Gear-type with fixed intake						
Oil pressure (normal)	30-45 p.s.i. @ 1500 r.p.m.					50-75 p.s.i. @ 2000 r.p.m.	
Oil capacity (qts.)	4 quarts (5 with filter replacement)						
Crankcase ventilation	Closed-positive type						
*Dual 2.5" system optional at extra cost.				(A) Extended durability features include: aluminized heads and outer cover, asbestos-wrapped zinc-coated body, zinc-coated interior baffles.			
**Dual 2.25" chambered system optional at extra cost.							

## Chevelle Body Features

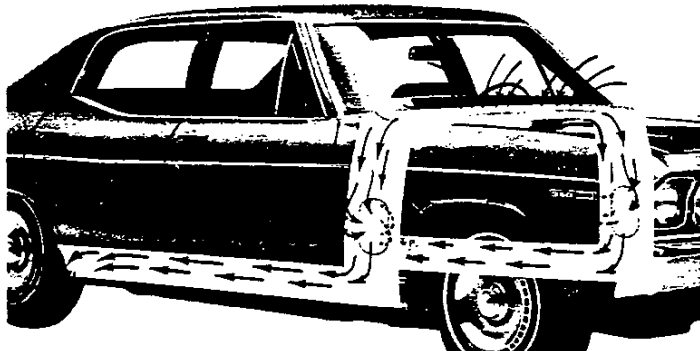
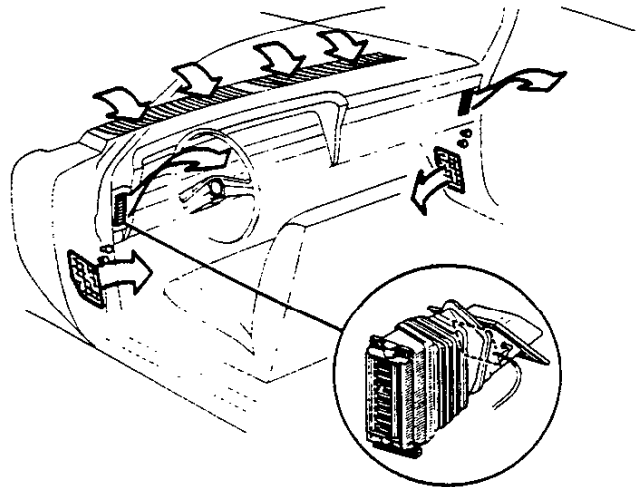


4-Door Sedan body illustrated ... other models basically similar except for roof or other specific structure.

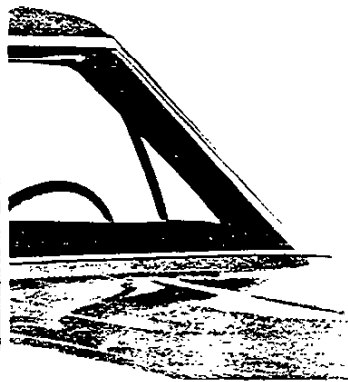
Astro Ventilation system ... standard on Chevelle Sport Coupe and Convertible models ... contributes to greater passenger comfort with improved ventilation and air distribution. Pressurized outside air enters the passenger compartment through vent-ports on the instrument panel and low-level cowl side vents. All four outlets can be adjusted individually to regulate air flow. Interior air flow continues into the luggage compartment and is exhausted through pressure relief valves built into the door lock pillars.



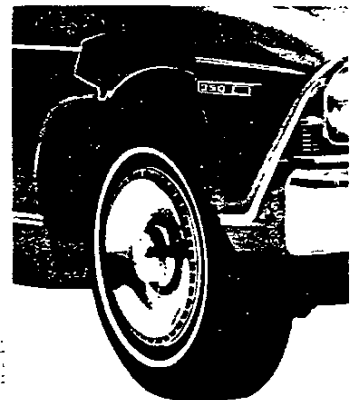
Roomy luggage compartment with conveniently low loading height.



Flush-and-dry rocker panels utilize air and water entering the high-level ventilation system cowl air intake to improve corrosion resistance. Water entering the intake flushes the rocker panels while a constant flow of air removes moisture. Special outlet drains at the rear of the rocker panels allow the free flow of air and water.



Hide-A-Way windshield wipers concealed by hood up-sweep standard on Malibu models, available at extra cost for 300 Deluxe models. Articulated left blade sweeps closer to windshield pillar on driver's side for better visibility.



Protective inner panels at both front and rear wheel openings (non-corrosive plastic in front) help prevent corrosion damage to front fender and rear quarter sheet metal. Front fender panel illustrated.

## Body Structure

All-welded heavy-gauge steel body with:

- Rugged box-section design roof rails, windshield and rear window headers, door and roof pillars.
- Heavy-gauge steel roof panel with single flanged-channel reinforcing bow on closed models.
- High-strength double-walled cowl unit-welded to instrument panel, floor, and dash panel.
- Deeply ribbed and contoured floor panel with underbody reinforcing crossmember.
- Rugged heavy-gauge steel box-section body sills with corrosion-resistant outer panel.
- Extra-rigid rear body structure with rear bumper attached directly to body.
- Cargo-guard all-steel luggage compartment bulkhead.
- Flush-and-dry body rocker panels.
- Double-panel doors, hood and deck lid.
- Counterbalanced hood and deck lid.
- Front and rear inner fender panel construction for improved corrosion protection.
- Full-length front fender supports.
- Contoured windshield header (except convertible).
- Structural components and body panels protected from corrosion by primer coatings, zinc coatings, and anti-rust compounds. Selected structural members heavily zinc-coated. Selected under-surfaces protected by spray-on undercoating.

## Body Mounting

- Double-cushioned rubber body mounts, plus strategically positioned rubber insulating cushions (except Convertible) to

help further isolate the body from road noise and vibration. Convertible bodies attached to frame at twelve locations; others at eight. Up to four rubber cushions—depending on model—need to further isolate the frame for a smoother, quieter ride. Front sheet metal cushioned by rubber mounts at two points.

## Sound Insulation

- Special mastic deadener between hood inner and outer panels . . . additional fiberglass blanket insulation on Concours and SS 396 models.
- Asphalt-impregnated felt roof insulation.
- Fiber board rear bulkhead insulation with spray-on asphalt-impregnated fiber and felt pad on all models.
- Jute pad floor insulation—extra thick on Concours, SS 396 and Malibu models.
- Spray-on fiber sound deadener on selected areas of door outer panels, sidewalls, wheel housings, underbody, and passenger compartment floor on Concours, SS 396 and Malibu models.
- Felt pad roof rear quarter area insulation.
- Wood fiber mat cowl kick panel insulation.

## Weathersealing

- Flush-mounted windshield and rear window bonded to body metal for more positive sealing.
- Molded vinyl door windlances.
- Rubber-fabric glass run channels and solid rubber window sill seals.
- Double-sealing rubber door seals.
- Formed rubber deck lid seal.
- Special body seam and joint sealing compounds.

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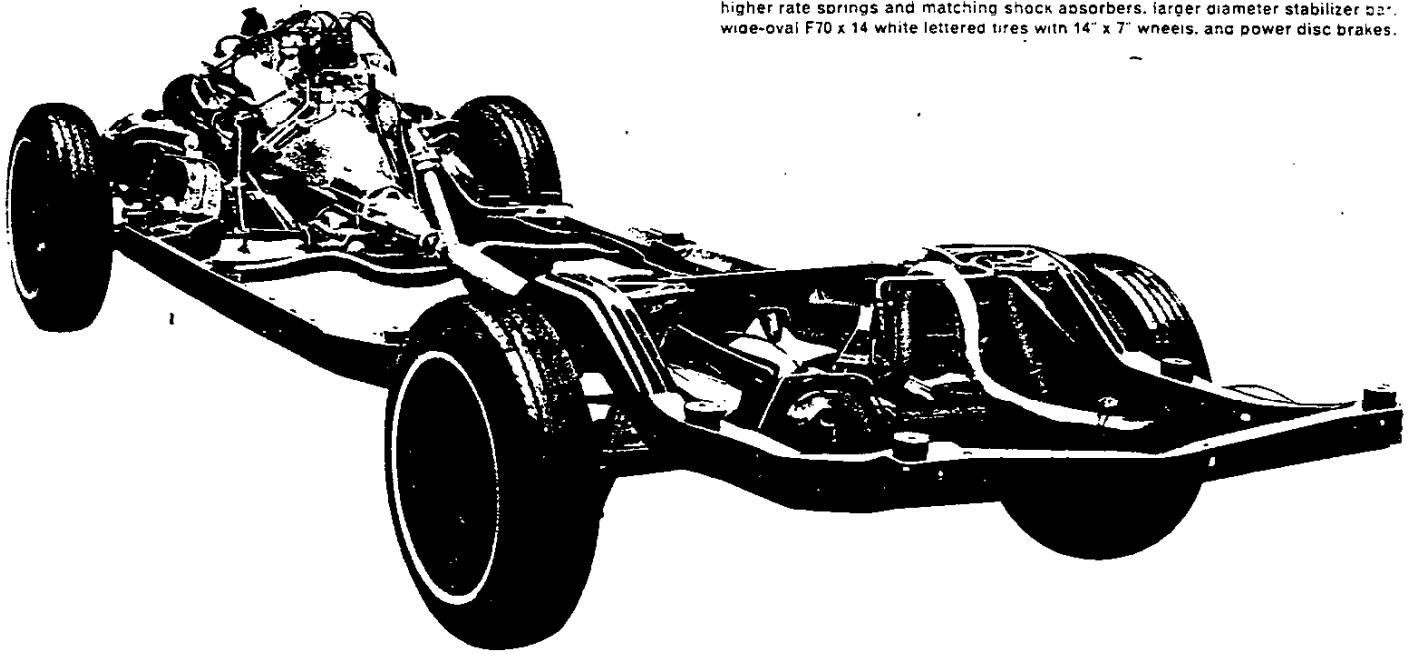
## Plus all these quality features

- Energy-absorbing instrument panel with padded upper surface
- Padded sun visors
- Outside rearview mirror
- Back-up lights
- Energy-absorbing steering column and wheel
- Two front seat head restraints
- Energy-absorbing front seat backs
- Lane-change feature incorporated in direction signal
- Wide inside day-night mirror with deflecting base
- Side marker lights—front and rear
- Soft, low-profile window control knobs, coat hooks, dome light
- Front seat belt retractors
- Passenger-guard door locks—all doors
- Outer front seat shoulder belts (except convertible)
- Rear seat shoulder belt anchors (outboard passenger positions)
- Folding front seat back latches on two-door models

- Thick-laminate windshield
- Door handles shielded by armrests
- Dual-speed electric windshield wipers
- Windshield washer
- Reduced-glare instrument panel and windshield wiper arms and blades
- Hide-A-Way windshield wipers with articulated left blade on most models
- Safety door latches and hinges
- Four-way hazard warning flasher
- High-level ventilation system
- Built-in blended-air heater and defroster system
- Magic-Mirror acrylic lacquer finish
- Curved solid tempered plate glass side and rear windows
- Tempered solid plate glass convertible rear window
- Two-key lock system with keyless locking of all doors
- Seat belts for all passenger positions
- Pushbutton-type outside door handles
- Weather-shielded key locks
- Scuff-resistant plastic cowl side panels

## Chevelle Chassis Specifications

Rugged Chevelle wide-stance chassis with computer-engineered Full Coil suspension and sturdy perimeter-type frame. 112" wheelbase for Coupe and Convertible—116" for Sedans. SS 396 models include special frame reinforcements, higher rate springs and matching shock absorbers, larger diameter stabilizer bar, wide-oval F70 x 14 white lettered tires with 14" x 7" wheels, and power disc brakes.



### Frame

Rigid torque box design steel perimeter-type frame, tailored to each body style, keeps body and suspension properly aligned and contributes to greater interior roominess. Full-length heavy-gauge steel side rails are joined by rugged front and rear suspension crossmembers, and at the rear by a channel-shaped crossmember to form a low-weight structure of exceptional strength and torsional rigidity.

### Full Coil Suspension

**FRONT:** Independent coil spring spherical joint suspension with built-in anti-dive control. Spherical joints protected by special positive-sealing formed-rubber boots. Upper spherical joints shot-peened for greater durability. **REAR:** Coil springs with two lower control arms and two diagonally mounted upper control arms mounted in rubber bushings. Built-in leveling control of acceleration and braking forces.

### Shock Absorbers

Direct double-acting sealed-unit hydraulic shock absorbers concentrically located within front coil springs between frame and lower control arms, and diagonally mounted between rear suspension lower control arms and frame.

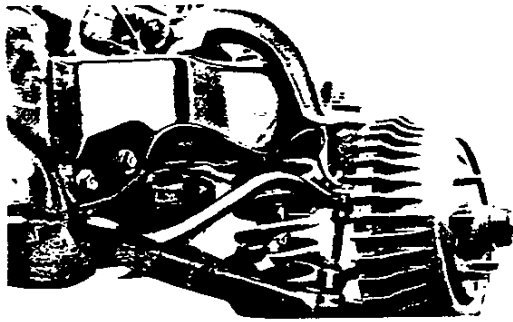
### Front Ride Stabilizer

Rubber-mounted stabilizer bar linking front suspension lower control arms contributes to smooth, level cornering. Standard on all models.

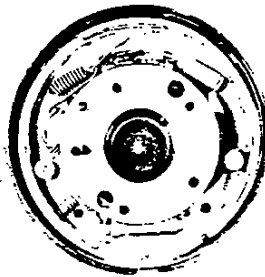
### Steering System

Parallel system with relay-type linkage, low-friction Ball-Race gear, and energy-absorbing steering column design. Steering shaft attached to steering gear shaft with rubber-cushioned jointed coupling to help isolate road shock and vibration. Overall ratio: standard steering—28.0:1; power steering—20.4:1. Steering wheel turns (stop to stop): standard steering—5.5; power steering—4.0.

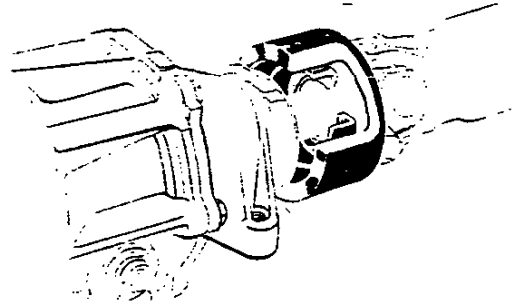
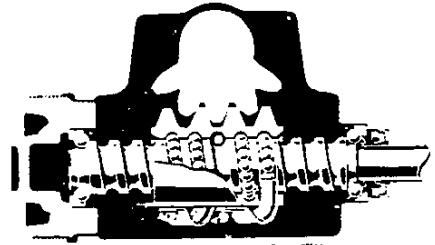
Independent coil spring spherical joint front suspension.



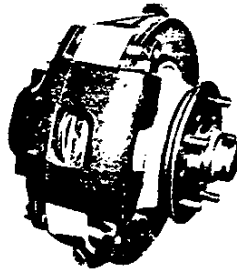
Self-adjusting Safety-Master brake.



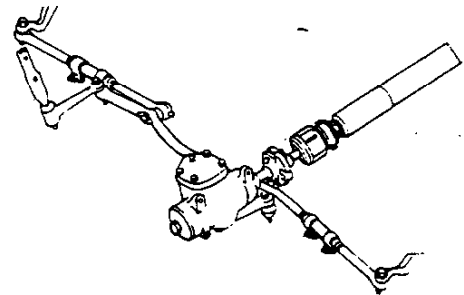
Ball-Race steering gear.



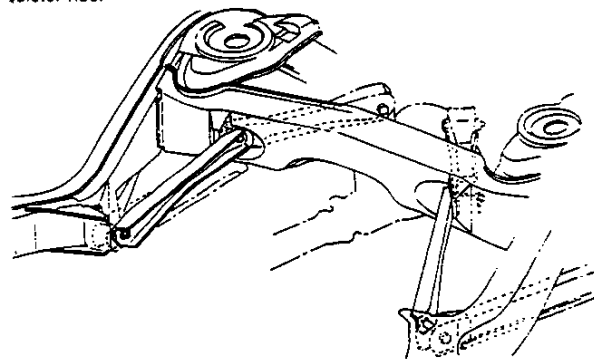
Drive shaft damper on Concoors Sport Sedan with automatic transmission helps minimize driveline vibration for a smoother, quieter ride.



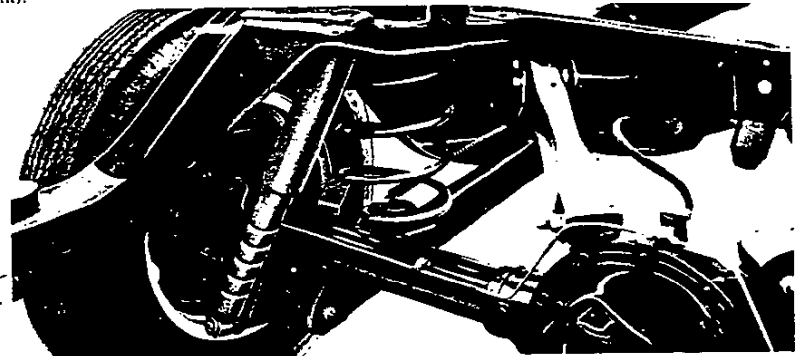
Power front disc brakes available for all models (included with SS 396 equipment).



Relay type steering linkage and low-friction Ball-Race steering gear with rubber-cushioned jointed steering shaft.



SS 396 special frame reinforcements.



Coil spring rear suspension.

## Drive Shaft

Balanced one-piece welded steel tubing with rugged nodular iron yokes. Universal joints with sealed-in lubricant attach the drive shaft to the transmission output shaft to the rear axle drive pinion.

## Rear Axle

Semi-floating hypoid gear design with 3-piece integrally welded housing. 8.875" diameter ring gear axle with 350-cu.-in. V8s and manual transmissions, and all 396-cu.-in. V8 power teams. 8.125" diameter ring gear with all other power teams.

## Safety-Master Brakes

Self-adjusting dual master cylinder brake system with warning light on instrument panel that checks on the parking brake and monitors hydraulic pressure balance when the brakes are applied. Drum diameter—9.5". Lining width—front: 2.5", rear: 2.0". Total lining area—168.9 sq. in. Molded asbestos composition linings bonded to brake shoes. Integrally cast steel web and alloy iron

rim brake drums with wide cooling flanges. Front drums finned for rapid heat dissipation. Brakes adjust as necessary when applied while car is backing up. Convenient foot-operated parking brake.

Power front disc brakes available for special operating requirements; included with SS 396 equipment. Disc size—11.0" x 1.0"

## Wheels and Tires

Welded steel short-spoke disc 14" wheels with brake cooling slots. Rim width—6", except SS 396—7". All wheels and tires statically balanced for smooth, quiet operation and long tire life. Wide-oval F70 x 14 white lettered tires included with SS 396 equipment; 7.35 x 14 standard on all other models. See Options and Prices section for other tires available.

*SPECIAL CHASSIS EQUIPMENT—For complete list of special options see Options and Prices section.*



## 1969 Chevelle Specifications

EXTERIOR DIMENSIONS	MALIBU				CHEVELLE 300 DELUXE		
	Sport Sedan	Sport Coupe	Convertible	4-Door Sedan	Sport Coupe	Coupe	4-Door Sedan
Wheelbase	116.0	112.0	112.0	116.0	112.0	112.0	116.0
Length (overall)	200.9	196.9	196.9	200.9	196.9	196.9	200.9
Width (overall)	76.0	76.0	76.0	76.0	76.0	76.0	76.0
Height (loaded)	53.5	52.8	52.7	53.5	52.8	52.8	53.5
Front Tread	59.0	59.0	59.0	59.0	59.0	59.0	59.0
Rear Tread	59.0	59.0	59.0	59.0	59.0	59.0	59.0

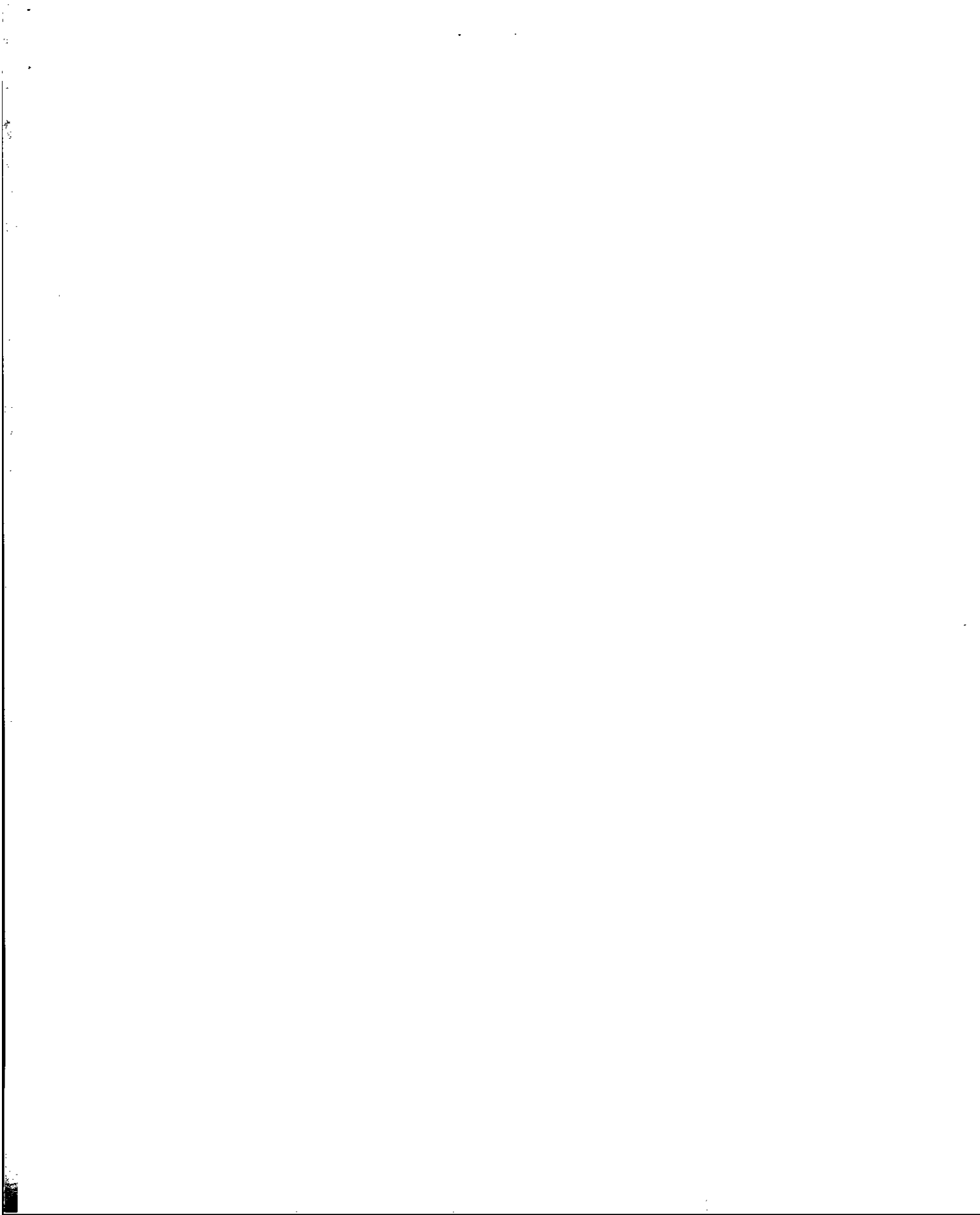
### INTERIOR ROOMINESS

Head Room—Front	38.5	37.8	38.7	38.5	37.8	37.8	38.5
Head Room—Rear	37.1	36.4	37.0	37.1	36.4	36.4	37.1
Leg Room—Front	42.8	42.8	42.8	42.8	42.8	42.8	42.8
Leg Room—Rear	35.1	32.7	32.7	35.1	32.7	32.7	35.1
Hip Room—Front	59.5	59.5	59.5	59.5	59.5	59.5	59.5
Hip Room—Rear	59.4	58.4	50.9	59.4	58.4	58.4	59.4
Shoulder Room—Front	58.3	58.3	58.3	58.3	58.3	58.3	58.3
Shoulder Room—Rear	57.5	57.2	58.2	57.5	57.2	57.2	57.5
Front Entrance Height	30.1	29.4	29.5	29.6	29.4	29.4	29.6
Rear Entrance Height	30.0	—	—	29.4	—	—	29.4

### LUGGAGE COMPARTMENT

Maximum Opening Width	48.5	48.5	48.5	48.5	48.5	48.5	48.5
Loading Height	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Interior Length (max.)	49.0	49.0	49.0	49.0	49.0	49.0	49.0
Interior Width (max.)	72.0	72.0	72.0	72.0	72.0	72.0	72.0
Interior Height (max.)	18.0	15.0	18.0	18.0	18.0	18.0	18.0
Usable Luggage Space (cu. ft.)	12.6	N.A.	11.0	10.8	N.A.	N.A.	12.8

N.A.—not available



## 1969 Chevelle Specifications (cont'd)

GLASS AREA	MALIBU				CHEVELLE 300 DELUXE		
	Sport Sedan	Sport Coupe	Conv.	4-Door Sedan	Sport Coupe	Coupe	4-Door Sedan
Windshield Glass Area (sq. in.)	1249.6	1238.7	1211.8	1249.6	1208.7	1238.7	1249.6
Rear Window Glass Area (sq. in.)	1032.2	1059.4	539.7	1032.2	1059.4	1059.4	1032.2
Total Glass Area (sq. in.)	3585.7	3495.2	2938.1	3478.8	3495.2	3384.9	3478.8

### TIRE SIZE & STEERING SPECIFICATIONS

Standard Tire Size	7.35 x 14				7.35 x 14		
Turning Circle—Curb-to-Curb (ft.)	40.6	39.4		40.6	39.4		40.6
Turning Circle—Wall-to-Wall (ft.)	45.1	44.7		45.1	44.7		45.1
Steering Ratio—Std. (overall)	28.7:1				28.7:1		
Steering Ratio—Power (overall)	21.6:1				21.6:1		

### FUEL CAPACITY & WEIGHT

Rated Fuel Tank Capacity (gallons)	20				20		
Curb Weight—Six (lbs.)	3310	3200	3280	3235	3180	3140	3205
Curb Weight—V2 (lbs.)	3445	3335	3405	3370	3310	3270	3335
Shipping Weight—Six (lbs.)	3205	3095	3175	3130	3075	3035	3100
Shipping Weight—V2 (lbs.)	3340	3230	3300	3265	3205	3165	3230

# AMA Specifications—Pass

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 Chevrolet Engineering Center 30003 Van Dyke, Warren, Michigan 48090	MODEL YEAR 1969
	ISSUED 10-15-68
	REVISED (R) 2-21-69

**NOTES:**

1. The General 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, style names; use manufacturer's code for series & body style.

	<u>L-6 Engine</u>	<u>V-8 Engine</u>
<b>300 DELUXE</b>		
2-Door Coupe, 6-Passenger	13327	13427
2-Door Sport Coupe, 5-Passenger	13337	13437
4-Door Sedan, 6-Passenger	13369	13469
2-Door Sedan Pickup, 3-Passenger	13380	13480
<b>MALIBU</b>		
2-Door Sport Coupe, 5-Passenger	13537	13637
4-Door Sport Sedan, 6-Passenger	13539	13639
2-Door Convertible, 5-Passenger	13567	13667
4-Door Sedan, 6-Passenger	13569	13669
2-Door Sedan Pickup, 3-Passenger	13580	13680
<b>STATION WAGONS</b>		
Nomad, 4-Door, 2-Seat	13135	13235
Nomad, 4-Door, 2-Seat	13136	13236
Greenbrier, 4-Door, 2-Seat	13335	13435
Greenbrier, 4-Door, 2-Seat	13336	13436
Greenbrier, 4-Door, 3-Seat	13346	13446
Concours, 4-Door, 2-Seat	13536	13636
Concours, 4-Door, 3-Seat	13546	13646
Concours Estate, 4-Door, 2-Seat	-----	13836
Concours Estate, 4-Door, 3-Seat	-----	13846

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## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (\*)

## CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:  
4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	4-Door Sedan	2-Door Spt Cpe	4-Door Spt Sedan	Convertible	Station Wagon	
<b>WIDTH</b>							
Track - Front	W101			59.0			
Track - Rear	W102			59.0			
Maximum overall car width	W103			76.0			
Body width at No. 2 pillar	W117			74.2			
<b>LENGTH</b>							
Body "O" to front of dash	L 30			0.0			
Wheelbase	L101	116.0	112.0	116.0	112.0	116.0	
Overall car length	L103	200.9	196.9	200.9	196.9	207.9	
Overhang - front	L104			37.5			
Overhang - rear	L105		47.4			54.4	
Body upper structure length	L123						
Body "O" line to $\ominus$ of rear wheel	L127	99.5	95.5	99.5	95.5	99.5	
Body "O" line to w/s cowl point	L130						
<b>HEIGHT</b>							
Passenger Distribution (front & rear)				2-3			
Trunk/Cargo load (lbs.)							
Overall height	H101	53.5	52.8	53.5	52.7	54.3	
Cowl height	H114	37.6	37.7	37.4	37.7	39.3	
Deck height	H138						
Rocker panel - front	To ground From front wheel $\ominus$	H112	8.1	8.1	7.8	8.1	9.7
Rocker panel - rear	To ground From rear wheel $\ominus$	H111	7.1	6.8	6.8	6.8	9.3
Windshield slope angle	H122			53.0			
<b>GROUND CLEARANCE</b>							
Bumper to ground - front	H102	18.5	19.1	18.2	19.1	21.1	
Bumper to ground - rear	H104	15.1	14.0	14.4	14.0	18.8	
Angle of approach	H106	23.5	24.3	23.4	24.3	25.6	
Angle of departure	H107	15.2	14.4	14.6	14.4	14.2	
Ramp breakover angle	H147	8.3	8.3	8.0	8.3	12.2	
Min. running clearance (Specify)	H156	4.8	4.6	4.6	4.6	5.9	

\* - H151 - Frame to ground.

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED <sup>(\*)</sup>

## CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions  
(All dimensions in inches unless otherwise indicated)

MODEL	SAE Ref. No.	4-Door Sedan	2-Door Spt Cpe	4-Door Spt Sedan	Convertible	Station Wagon
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### FRONT COMPARTMENT

Effective head room	H61	38.1	37.9	38.1	38.3	38.5
ax. eff. leg room - accelerator	L34	42.7	42.5	42.8	42.8	42.5
Point to Heel point	H30	8.1				
Point travel	L17	4.8				4.7
Shoulder room	W 3	58.4	58.2	58.4	58.2	58.3
hip room	W 5	59.7	59.8	59.5	59.7	59.8
Upper body opening to ground	H50	48.4	48.2	48.9	48.3	48.9

### REAR COMPARTMENT

Point couple distance	L50	32.8	30.6	32.8	30.5	32.8
Effective head room	H63	37.1	36.3	37.1	36.9	38.3
in. effective leg room	L51	35.1	32.5	34.9	32.3	35.2
Point to Heel point	H31	10.6	10.2	10.7	10.1	10.8
in. knee room	L48	2.3	0.6	2.3	0.6	2.3
Shoulder room	L 3	25.8	24.0	25.8	24.0	26.1
hip room	W 4	57.2	56.8	57.2	57.7	57.4
Upper body opening to ground	H51	48.0	----	48.6	----	48.7

### LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	13.5	14.6	13.5	8.5	----
Lift-over height	H195	26.3	25.7	26.0	25.7	----
Position of spare tire storage		Horizontal; right side of trunk				R. rear quarter
Method of holding lid open		Boxed hinges with torsion rod				

### STATION WAGON - THIRD SEAT

Shoulder Room	W85					57.5
hip room	W86					47.0
Effective leg room	L86					30.5
Effective head room	H86					35.8
Seat facing direction						Rearward

### STATION WAGON - CARGO SPACE

Cargo length at floor - front seat	L202					90.9
Cargo length at belt - front seat	L204					79.9
Cargo width - Wheelhouse	W201					44.5
Opening width at belt	W204					49.6
Maximum cargo height	H201					31.6
Rear opening height	H202					28.6
Cargo volume index (cu. ft.) W4 x L204 x H201	V2					84.0(a)

(a) 10.0 cu. ft. additional for under floor compartment (exc. Nomad).

# AMA Specifications—Passenger Car

MAKE OF CAR: CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (\*)2-21-69

## POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO** (Std. first) (Indicate A C ratio)									
	Displ. cu. in.	Carburetor	Comp. Ratio	BHP RPM	Torque RPM		A	B	C	D						
All Models except Station Wgns and Pickups	230 Standard	One; 1-Bbl Down-draft	8.5:1	140 @ 4400	220 @ 1600	3-Speed (2.85:1 low) & HD 3-Spd* (3.03:1 low)	Base	3.08	----	3.36	----					
						A/C	3.36	----	3.55	----						
						Pwrglide*	Base	3.08	---	3.36	----					
							A/C	3.36	3.08	3.55	----					
Station Wgns and Pickups											3-Speed (2.85:1 low) & HD 3-Spd (3.03:1 low)	Base	3.36	----	3.55	----
												A/C	3.55	----	----	----
						Pwrglide*	Base	3.36	3.08	3.55	----					
							A/C	3.55	3.36	----	----					
All Models						Turbo Hydra-Matic*	Base	2.73	2.56	3.08	3.36					
							A/C	3.08	2.73	3.36	----					
All Models except Station Wgns and Pickups	307 Standard	One; 2-Bbl Down-draft	9.00:1	200 @ 4600	300 @ 2400	3-Speed (2.85:1 low) & HD 3-Spd* (3.03:1 low)	Base	3.08	2.73	3.36	----					
						A/C	3.36	3.08	3.55	----						
						Pwrglide	Base	3.08	---	3.36	3.55					
							A/C	3.36	3.08	3.55	----					
Station Wgns and Pickups											3-Speed (2.85:1 low) & HD 3-Spd* (3.03:1 low)	Base	3.36	3.08	3.55	----
												A/C	3.55	3.36	----	----
						Pwrglide	Base	3.36	3.08	3.55	----					
							A/C	3.55	3.36	----	----					
All Models						4-Speed* (2.85:1 low)	Base	3.36	3.08	3.55	----					
							A/C	3.36	3.08	3.55	----					
						Turbo Hydra-Matic*	Base	2.73	2.56	3.08	3.36					
							A/C	3.08	2.73	3.36	----					
* -Optional																
** -Positraction optional for all ratios																
	A-Standard B-Economy C-Performance D-Special															



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (\*)2-21-69

## 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	
All Models except Station Wgns and Pickups	250	One; 1-Bbl Down-draft	8.5:1	155 @ 4200	235 @ 1600	3-Speed (2.85:1 low) & HD 3-Spd* (3.03:1 low)	Base	3.08	----	3.36	----
						A/C	3.36	----	3.55	----	
						Pwrglide*	Base	3.08	----	3.36	----
						A/C	3.36	3.08	3.55	----	
Station Wgns and Pickups	Option (L22)	One; 1-Bbl Down-draft	8.5:1	155 @ 4200	235 @ 1600	3-Speed (2.85:1 low) & HD 3-Spd* (3.03:1 low)	Base	3.36	----	3.55	----
						A/C	3.55	----	----	----	
						Pwrglide*	Base	3.36	3.08	3.55	----
						A/C	3.55	3.36	----	----	
All Models						Turbo Hydra-Matic*	Base	2.73	2.56	3.08	3.36
						A/C	3.08	2.73	3.36	----	
All Models	350	One; 4-Bbl Down-draft	10.25	300 @ 4800	380 @ 3200	HD 3 Spd (2.42:1 low) & 4-Spd* (2.52:1 low)	Base & A/C	3.31	3.07	3.55	----
						Pwrglide*	Base & A/C	2.73	2.56	3.08	3.36
All Models exc Station Wgns & Pickups	Option (L48)	One; 4-Bbl Down-draft	10.25	300 @ 4800	380 @ 3200	Turbo* Hydra-Matic	Base & A/C	2.56	----	----	3.07 3.31
						Turbo* Hydra-Matic	Base & A/C	2.73	----	3.07	3.31
All Models	350	One; 2-Bbl Down-draft	9.00:1	250 @ 4800	345 @ 2800	3-Speed (2.54:1 low) & HD 3-Spd* (2.42:1 low)	Base & A/C	3.08	2.73	3.36	----
						4-Speed* (2.54:1 low)	Base & A/C	3.36	3.08	3.55	----
						Pwrglide*	Base & A/C	2.73	2.56	3.08	----
						Turbo* Hydra-Matic	Base & A/C	2.56	----	3.08	----
*-Optional						A-Standard	B-Economy				
**-Positraction optional for all ratios						C-Performance	D-Special				

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1960 DATE ISSUED 10-15-68 REVISED (12-21-69)

## 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	HHP RPM	Torque RPM		A	B	C	D	
13637 13667 13680 Only	396 Option (L35)	One; 4-Bbl Down- draft	10.25:1	325 @ 4800	410 @ 3200	HD 3-Spd* (2.42:1 low)	Base	3.31	3.07	3.55	3.10
						A/C	3.31	3.07	---	---	
						4-Speed* (2.52:1 low)	Base	3.55	3.31	3.73	3.96
						A/C	3.31	3.07	---	---	
						Turbo* Hydra-Matic	Base	3.31	3.07	---	2.73
A/C	3.31	3.07	---	---							
13637 13667 13680 Only	396 Option (L34)	One; 4-Bbl Down- draft	10.25:1	350 @ 5200	415 @ 3400	HD 3-Spd* (2.42:1 low)	Base	3.55	3.31	3.73	4.10
						& 4-Speed* (2.52:1 low)	A/C	3.31	3.07	---	---
						4-Speed* (2.20:1 low)	Base	3.55	3.31	3.73	4.10
						A/C	3.31	---	---	---	
						Turbo Hydra-Matic	Base	3.55	3.31	3.73	3.96
A/C	3.31	3.07	---	---							
* -Optional											
** -Positraction required for 3.73, 4.10 ratio; optional for all others											
							A-Standard B-Economy C-Performance D-Special				

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (•)

	L6 230 Cu In 140 HP - Std	L6 250 Cu In 155 HP - Opt L22	V8 307 Cu In 200 HP - Std
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## ENGINE - GENERAL

Type, no. cyls., valve arr.	In-line 6 OHV		90° V8 OHV
Bore and stroke (nominal)	3.875 x 3.25	3.875 x 3.53	3.875 x 3.25
Piston displacement, cu. in.	230	250	307
Bore spacing (C to C)	4.40		
Valve system (front to rear)	L. Bank	1-2-3-4-5-6	1-3-5-7
	R. Bank	In-line	2-4-6-8
Firing order	1-5-3-6-2-4		1-8-4-3-6-5-7-2
Compres. ratio (nominal)	8.5:1		9.00:1
Cylinder Head Material	Cast alloy iron		
Cylinder Block Material	Cast alloy iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of valve points	Front	Two	
	Rear	One	
Engine installation angle	4°37'		4°46'
Max. bhp at 2500 RPM	36.0		48.0
Max. torque (lb. ft. @ RPM)	140 @ 4400	155 @ 4200	200 @ 4600
Max. torque (lb. ft. @ RPM)	220 @ 1600	235 @ 1600	300 @ 2400
Recommended fuel	Regular		

## ENGINE - PISTONS

Material	Cast aluminum alloy		
Description and finish	Flat, notched head, slipper skirt		
Weight (piston only) oz.	20.32	24.16	26.32
Clearance (limits)	Top land	.0345-.0435	.0235-.0325
	Skirt	Top	.0005-.0011(a)
		Bottom	.0005-.0011(b)
Ring groove depth	No. 1 ring	.2153-.2218	.2113-.2178
	No. 2 ring	.2153-.2218	.2113-.2178
	No. 3 ring	.2093-.2158	.2053-.2118
	No. 4 ring	None	

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
- b)-Measured 1.675 from top of piston

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (02-21-69)

MODEL	V8 350 Cu In		V8 396 Cu In	
	250 HP-Opt L65	300 HP-Opt L48	325 HP-Opt L35	350 HP-Opt L34

## ENGINE - GENERAL

Type, no. cyls., valve arr.	90° V8 OHV			
Bore and stroke (nominal)	4.00 x 3.48		4.094 x 3.76	
Piston displacement, cu. in.	350		396	
Bore spacing (¢ to ¢)	4.4		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			
Compress. ratio (nominal)	9.00:1	10.25:1	10.25:1	
Cylinder Head Material	Cast alloy iron			
Cylinder Block Material	Cast alloy iron			
Cyl. Sleeve-Wet, dry, none	None			
Number of mg. points	Front	Two		
	Rear	One		
Engine installation angle	4°46'			
Taxable horsepower	51.2		53.6	
Publishing max. bhp* @ eng. RPM	250 @ 4800	300 @ 4800	325 @ 4800	350 @ 5200
Publishing max. torque* (lb. ft. @ RPM)	345 @ 2800	380 @ 3200	410 @ 3200	415 @ 3400
Recommended fuel regular - premium	Regular		Premium	

## ENGINE - PISTONS

Material	Cast aluminum alloy				
Description and finish	Flat, notched head, slipper skirt		Domed head, slipper skirt		
Weight (piston only) oz.	20.91		24.80		
Clearance (limits)	Top land	.0235-.0325		.0304-.0374	
	Skirt	Top	.0007-.0013(a)		.0011-.0018(b)
		Bottom			
Ring groove depth	No. 1 ring	.2218-.2288		.2253-.2317	
	No. 2 ring	.2218-.2288		.2253-.2317	
	No. 3 ring	.2038-.2103		.2098-.2162	
	No. 4 ring	None			

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

(a)-Measured 1.56 from top of piston

(b)-Measured 1.955 from top of piston

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED 02-21-69

MODEL	L6 230 Cu In 140 HP	L6 250 Cu In 155 HP	V8 307 Cu In 200 HP	V8 350 Cu In 250 & 300 HP	V8 396 Cu In 325 & 350 HP
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## 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.	(a)	Cast alloy iron; barrel face (b)		
	Lower	Cast alloy iron; inside bevel; tapered face (c)			
	Width	(d)	(e)	(d)	(f) (g)
	Gap	.010-.020		(h)	.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	.015-.055			
Expanders	In oil ring assembly				

## ENGINE - PISTON PINS

Material	Chromium steel		
Length	2.990-3.010		2.930-2.950
Diameter	.9270-.9273		.9895-.9898
Type	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bush- In rod or piston ing Material	None	
Clearance	In piston	.00015-.00025	.00025-.00035
	In rod		
Direction & amount offset in piston	Major thrust side .060		

## ENGINE - CONNECTING RODS

Material	Drop forged steel		
Weight (oz.)	12.50	20.80	27.84
Length (center to center)	5.695-5.705		6.130-6.140
Clearance	Material & Type	Copper lead alloy (sintered) steel backed material	Premium aluminum
	Overall length	.807	.857
	Clearance (limits)	.0007-.0027	.0009-.0029
	End play	.009-.013	.017-.021

- a)-Cast alloy iron; inside bevel and tapered face; chrome plated
- b)-Chrome plated on L6 250, V8 350 Cu In, Molybdenum inlay on V8 396 Cu In
- c)-Wear resistant coating on L6 230 & 250, V8 307 & 350; chrome plated on V8 396
- d)-Upper .0775-.0780; lower .0770-.0780
- e)-Upper .0628-.0633; lower .0623-.0633
- f)-Upper .0775-.0780; lower .0770-.0775
- g)-Upper & lower .0770-.0775
- h)-Upper .010-.020; lower .013-.025

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (2-21-69)

<b>MODEL</b>	L6 230 Cu In 140 HP	L6 250 Cu In 155 HP	V8 307 Cu In 200 HP	V8 350 Cu In 250&300HP	V8 396 Cu In 325&350HP
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**ENGINE - CRANKSHAFT**

<b>Material</b>		Cast nodular iron (forged steel with 396 cu in 350 hp)			
<b>Vibration damper type</b>		Rubber mounted inertia			
<b>End thrust taken by bearing (No.)</b>		7	5		
<b>Crankshaft end play</b>		.002-.006		.006-.010	
<b>Main bearing</b>	<b>Material &amp; type</b>	Steel with backed insert (selected bearing material - copper lead alloy or premium aluminum - for intended operation or application)			
	<b>Clearance</b>	.0003-.0029		(a) (b)	
	<b>Journal dia. and bearing overall length</b>	No. 1	2.3004 x .752	2.4502 x .752	2.7507x.992
		No. 2	2.3004 x .752	2.4505 x .752	2.7507x.992
		No. 3	2.3004 x .752	2.4505 x .752	2.7505x.992
		No. 4	2.3004 x .752	2.4505 x .752	2.7505x.992
		No. 5	2.3004 x .752	2.4507 x 1.177	2.7506x1.2525
		No. 6	2.3004 x .752	None	
No. 7		2.3004 x .760	None		
<b>Dir. &amp; amt. cyl. offset</b>		None			
<b>Crankpin journal diameter</b>		1.999-2.000	2.099-2.100	2.199-2.200	

**ENGINE - CAMSHAFT**

<b>Location</b>		Above and to right of crankshaft	In block above crankshaft		
<b>Material</b>		Cast alloy iron			
<b>Bearings</b>	<b>Material</b>	Steel backed babbit			
	<b>Number</b>	4	5		
<b>Type of Drive</b>	<b>Gear or chain</b>	Gear	Chain		
	<b>Crankshaft gear or sprocket material</b>	Steel	Steel sprocket		
	<b>Camshaft gear or sprocket material</b>	(c)	Nylon teeth with aluminum hub		
	<b>Timing chain</b>	<b>No. of links</b>	None	46	50
		<b>Width</b>	None	.740	.740
<b>Pitch</b>		None	.500	.500	

**ENGINE - VALVE SYSTEM**

<b>Hydraulic lifters (Std., opt., NA)</b>		Standard		
<b>Valve rotator, type (intake, exhaust)</b>		None		
<b>Rocker ratio</b>		1.75:1	1.50:1	1.70:1
<b>Operating tappet clearance (indicate hot or cold)</b>	<b>Intake</b>	Zero		
	<b>Exhaust</b>	Zero		

(Continued)

- (a)-No. 1 - .0008-.0020
- No. 2, 3, 4 - .0008-.0024
- No. 5 - .0015-.0031
- (b)-No. 1 & 2 - .0010-.0020
- No. 3 & 4 - .0013-.0025
- No. 5 - .0015-.0031

(c)-Bakelite and fabric composition with steel hub

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1960 DATE ISSUED 10-15-68 REVISED 10-21-68

MODEL	230 Cu In 140 HP	250 Cu In 155 HP	307 Cu In 200 HP	350 Cu In 250&300HP	396 Cu In 325 HP	350 HP
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## ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	16°	28°	28°	56°
		Closes (°ABC)	48°	72°	78°	114°
		Duration - deg.	244°	280°	286°	350°
	Exhaust	Opens (°BBC)	46°30'	78°	75°	110°
		Closes (°ATC)	17°30'	30°	31°	62°
		Duration - deg.	244°	288°	286°	350°
Valve opening overlap		33°30'	58°	59°	118°	

-Intake	Material		Alloy steel; face aluminized on 230, 250 & 396 Cu.In.				
	Overall length		4.902-4.922		4.870-4.889   5.215-5.235		
	Actual overall head dia.		1.715-1.725		1.935-1.945   2.060-2.070		
	Angle of seat & face		46° (seat); 45° (face)				
	Seat insert material		None				
	Stem diameter		.3410-.3417		.3715-.3722		
	Stem to guide clearance		.0010-.0027				
	Lift (± zero lash)		.3317	.3880	.3900	.3983	.4614
	Outer spring press. & length	Valve closed (lb.@in.)	56-64 @ 1.66		76-84 @ 1.70		69-81 @ 1.88
		Valve open (lb.@in.)	180-192 @ 1.27		194-206 @ 1.25		228-252 @ 1.38
Inner spring press. & length	Valve closed (lb.@in.)	None		Spring Damper		26-34 @ 1.78	
	Valve open (lb.@in.)	None		Spring Damper		81-99 @ 1.28	

Exhaust	Material		High alloy steel, aluminized face (a)				
	Overall length		4.913-4.933		5.345-5.365		
	Actual overall head dia.		1.495-1.505		1.715-1.725		
	Angle of seat & face		46° (seat); 45° (face)				
	Seat insert material		None				
	Stem diameter		.3410-.3417		.3715-.3722		
	Stem to guide clearance		.0010-.0027				
	Lift (± zero lash)		.3317	.3880	.4100	.3983	.4800
	Outer spring press. & length	Valve closed (lb.@in.)	56-64 @ 1.66		76-84 @ 1.70		94-106 @ 1.88
		Valve open (lb.@in.)	180-192 @ 1.27		194-206 @ 1.25		303-327 @ 1.38
Inner spring press. & length	Valve closed (lb.@in.)	None		Spring Damper		26-34 @ 1.78	
	Valve open (lb.@in.)	None		Spring Damper		81-99 @ 1.28	

## ENGINE - LUBRICATION SYSTEM

Type of lubrication pressure, nozzle	Main bearings		Pressure
	Connecting rods		Pressure
	Piston pins		Splash
	Camshaft bearings		Pressure
	Tappets		Pressure
	Timing gear or chain	Nozzle	Centrifugally oiled from camshaft bearing
	Cylinder walls	Splash	Pressure jet cross sprayed

3) Head also aluminized on 396 engines

(Continued)

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (12-21-69)

MODEL	230 Cu In 140 HP	250 Cu. In. 155 HP	307 Cu In. 200 HP	350 Cu In 250 & 300HP	396 Cu In 325 HP
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## ENGINE - LUBRICATION SYSTEM (cont.)

Oil pump type		Gear
Normal oil pressure (lb. engine rpm)	50-65 PSI @ 2000 (a)	50-75 PSI @ 2000 (a)
Oil press. sending unit (elect. or mech.)		Electric
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part., other)		Full flow
Filter replacement (element, complete)		Complete
Capacity of oil case, 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 can be used at temperatures below freezing)	
Engine Service Reamt. (MM, MS, etc.)		MS or DG

## ENGINE - EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with crossover	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One; reverse flow		Two; reverse flow
Exhaust pipe dia. (O.D., wall thick.)	Branch	None	2.00x.073-.091 (b)
	Main	2.00 x .057-.071	2.00x.073-.091 (b)(c)   2.50 x .073-.091
Tail pipe dia. (O.D. & wall thickness)	1.88 x .062 - .075		2.00 x .062-.075

## ENGINE - CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard Optional	Ventilates to induction system None
Control Unit	Make and model	AC Spark Plug
	Location	Top rr. rocker cvr.   Left front rocker cover
Complete system	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)	Carburetor air cleaner
	Flame arrestor (screen, check valve, other)	Screen

(a) Bench test - no flow conditions

(b) Laminated

(c) 2.50 diameter on 350 Cu. In.



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED 02-21

MODEL	L6-230	L6-250	307CuIn	350CuIn	396 CuIn
	140 HP	155 HP	200 HP	250 HP	300 HP   325 HP   350 HP

**ENGINE - EXHAUST EMISSION CONTROL**      **MANUAL TRANSMISSIONS**

Type (Air injection, engine modifications, other)		Air injection reactor equipment						
Air Injection Pump	Type -	Semi-articulated vane type						
	Displacement	19.3						
	Drive ratio	1.15:1						
	Drive type	Crankshaft pulley						
	Relief valve (type)	Diverter valve - separate from pump						
	Filter (describe)	Centrifugal air cleaner						
Air Injection System	Air distribution (head, manifold, etc.)	Cylinder head	Manifold					
	Point of entry	Exhaust ports						
	Injection tube I.D.	.2565						
	Check valve type	Pressure (plate type)						
	Backfire protection (type)	Diverter valve						
Carburetor	Make							
	Model	REFER TO						
	Barrel size							
	Idle speed	Drive	PAGE TEN					
		Neutral						
Idle A/F mixture	Not Specified							
Aux. Adv. Systems (type)	None							
Distributor	Make	Delco-Remy						
	Model	1110459	1110463	1111481	1111486	1111488	1111497   1111498	
	Cent'gal adv. in crank degrees @ eng. rpm	Start (rpm)	1000	900	1000	800	950	900
		Intermed. points deg. @ rpm						
		Max. deg. @ rpm	36@4600	32@4200	28@4300	36@4100	30@4700	32@5000   36@5000
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	7.00		6.00	7.00	8.00	8.00
		Intermed. points deg. @ in. Hg						
Max. deg. @ in. Hg		23 @ 16		15 @ 12	24 @ 17.5	20 @ 17	15 @ 15.5	
Vacuum Source	Carburetor							
Timing - Crank degrees @ rpm	TDC@700		2BTC@700	TDC@700	4BTC@800	TDC@800		
Cooling System								
Exhaust System								

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (02-21-69)

MODEL	L6-230	L6-250	307 CuIn	350 CuIn	396 CuIn
	140 HP	155 HP	200 HP	250 HP	300 HP
				325 HP	350 HP

## ENGINE - EXHAUST EMISSION CONTROL

## AUTOMATIC TRANSMISSIONS

Type (Air injection, engine modifications, other)	Engine modifications	SAME		
Air Injection Pump	Type			
	Displacement	NOT	AS	
	Drive ratio			
	Drive type	USED	MAN-	
	Relief valve (type)		UAL	
Filter (describe)				
Air Injection System	Air distribution (head, manifold, etc.)	NOT	SEE	
	Point of entry			
	Injection tube I.D.	USED	PAGE	
	Check valve type			
Backfire protection (type)		9A		
Carburetor	Make	REFER		
	Model			
	Barrel size	TO		
	Idle speed	Drive		
		Neutral	PAGE TEN	
Idle A/F mixture	Not Specified			
Aux. Adv. Systems (type)	None			
Distributor	Make	Delco-Remy		
	Model	1110460   1110464   1111481   1111487   1111489   1111497   1111499		
	Cent'fgal adv. in crank degrees @ eng. rpm	Start (rpm)	1000   900   1000   900   900   900   900	
		Intermec. points deg. @ rpm		
		Max. deg. @ rpm	32@4600   28 @ 4200   28@4300   32@4200   26@4700   32@5000   32@5000	
	Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	7.00   6.00   7.00   8.00   8.00   6.00	
		Intermec. points deg. @ in. Hg		
Max. deg. @ in.		23 @ 12   15 @ 12   24@17.5   20 @ 17   15@15.5   15 @ 12		
Vacuum Source	Carburetor			
Timing - Crank degrees @ rpm	4BTC@550   2BTC@600   4BTC@600   4BTC@800   4BTC@600			
Cooling System				
Exhaust System				

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (12-21-69)

<b>MODEL</b>	L6-230 140 HP	L6-250 155 HP	V8-307 200 HP	V8-350 250 & 300 HP	V8-396 325 & 350 HP
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**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 (U.S. gals.)	Approximately 20; Station Wagons 22	
Fuel Tank	Filler location	Behind hinged rear license plate*	
Fuel Pump	Type (elec. or mech.)	Mechanical	
Fuel Pump	Locations	Lower right front of engine	
Fuel Pump	Pressure range	4.00-5.00 PSI   5.50-7.50 PSI   7.50-9.00 PSI	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank	
Fuel Filter	Locations	and plastic filter in carburetor inlet **	
Carburetor	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air cleaner type	Standard: Oil-wetted paper element Optional: None	
	Idle speed (spec. neutral or drive)	Manual (N)	700
		Automatic (D)	550   600   800
	Idle A F mix.	Not specified	

### CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
13100 13300 13500	230	Manual	Rochester	7029017(a)	One; single barrel	1.69
		Automatic		7029014		
	250	Manual	Rochester	7029017(a)		
		Automatic		7029014		
	307	Manual	Rochester	7029101(b)	One; two barrel	1.44
		Automatic		7029110(c)		
13200	250hp	Manual	Rochester	7029113(d)	One;	1.69
		Automatic		7029114(e)		
13400	350	Manual	Rochester	7029203	One;	1.38 Prim
13600	300hp	Automatic	Rochester	7029202	4-barrel	2.25 Sec
13800	396	Manual	Rochester	7029215	One;	1.38 Prim
		Automatic		7029204		
	396	Manual	Rochester	7029215	four barrel	2.25 Sec
	350hp	Automatic	Rochester	7029204		

- a - 7029015 with Air Conditioning
- b - 7029103 with Air Conditioning
- c - 7029112 with Air Conditioning
- d - 7029115 with air conditioning
- e - 7029116 with air conditioning
- \* - Shut off pressure - 1800 RPM at pump outlet
- \*\* - Additional in-line paper element with 396 Cu.In.

\* Left rear quarter panel on station wagons

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED 12-21-69

	230 CuIn 140 HP	250 CuIn 155 HP	307 CuIn 200 HP	350 CuIn 250 & 300 HP	396 CuIn 325 & 350 HP
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## 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°				
Water pump	Type (centrifugal, other)	Centrifugal				
	GPM ± 1000 pump rpm	60 @ 4400	54 @ 4400	57 @ 4400		
	Number of pumps	One				
	Drive (V-belt, other)	V-belt				
	Bearing type	Permanently lubricated double row ball				
By-pass recirculation type (inter., ext.)		Internal		External		
Radiator core type (cellular, tube and fin, other)		Tube and center				
Cooling system capacity	With heater (at.)	13	17	16	23	
	Without heater (at.)	11	16	15	22	
	Opt. equipment-specify (at.)	13	18	17	24	
Water jackets full length of cyl. (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	E	H	I
	Generator or alternator	A	D	E	H	I
	Water Pump	A	D	E	H	I
	Power Steering	B	F	J		
	Air Conditioning	C	G	K		
	Air Injection	B	D & H - Manual transmissions E & I - Automatic transmissions			

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	←————— 38°-42° —————→										
Nominal length (SAE)	39.00	50.00	54.00	47.50	44.25	36.00	54.33	49.50	45.75	41.00	57.00
Width	←————— .380 —————→										

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (\*)2-21-69

MODEL	230 Cu In 140 HP	250 Cu In 155 HP	307 Cu In 200 HP	350 Cu In 250&300HP	396 Cu In 325&350HP
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## ELECTRICAL - SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy 1980032		1980030	
	Voltage Rtg. & Total Plates		12 volts - 54 plates		12 volts - 66 plates	
	SAE Designation & Amp. Hr. Rtg.		45 amp hr @ 20 hr rate		61 amp hr @ 20 hr rate	
	Location		Right side front of engine compartment			
Terminal grounded		Negative				
Generator or Alternator	Make		Delco-Remy			
	Model		1100836(a)		1100834	
	Type and rating		Diode rectified 37 amps			
	Output at engine idle (neutral)		13 amps		15 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		
	Regu- lated	Voltage		13.8-14.8 @ 85°F		
		Current		----		
	Voltage test conditions	Temperature		Operating		
Load		3-8 amperes				
Other		None				

## ELECTRICAL - STARTING SYSTEM

Starting Motor	Make		Delco-Remy		
	Model		1108365	1108367	1108361
Rotation (drive end view)		Clockwise			
Switch (solenoid, manual)		Solenoid			
Motor control	Starting procedure		3- & 4-Spd - Place gearshift lever in neutral & depress clutch AUTOMATIC - Place control lever in N or P position INITIAL START - Press accelerator to floor & release. Turn ignition to START, release as soon as engine starts.		
Motor Drive	Engagement type		Positive shift solenoid		
	Pinion meshes (front, rear)		Rear		
	Number of teeth	Pinion	9		9
		Flywheel	Manual	153	
	Auto.		153		168
Flywheel tooth face width		Manual	.4010-.4130		.4100-.4220
		Auto.	.4010-.4130		.4100-.4220

(a)-1100834 used when automatic transmission is specified

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (\*)2-21-69

MODEL	L6-230 140 HP	L6-250 155 HP	V8-307 200 HP	V8-350 250&300HP	V8-396 325&350 HP
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## ELECTRICAL - IGNITION SYSTEM

Type	Conventional - Std., Opt., N.A.		Standard		
	Transistorized - Std., Opt., N.A.		Not available		
	Other (specify)		None		
Coil	Make		Delco-Remy		
	Model		1115208	1115293	
	Amps	Engine stopped	4.0		
		Engine idling	1.8		
Distributor	Make				
	Model		REFER		
	Cent./gal adv. in c./shaft degrees @ engine rpm (nominal)	Start (rpm)			
		Intermediate points deg. @ rpm	TO		
		Max. deg. @ rpm			
	Vacuum adv. in c./shaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	PAGE		
		Intermediate points, deg. @ in. Hg.	NINE		
		Max. deg. in. Hg.			
	Breaker gap (in.)		.019		
	Cam angle (deg.)		31-34	29-31	28-30
Breaker arm tension (oz.)		19-23		28-32	
Timing	Crankshaft deg. @ rpm		Refer to page nine		
	Mark location		Torsional damper		
Spark Plug	Make		AC spark plug		
	Model		ACR46N	ACR45S	ACR44S   ACR43N(a)
	Thread (mm)		14		
	Tightening torque (lb. ft.)		25		
	Gap		.033-.038		
Cable	Conductor type		Linen core impregnated with electrical conducting material		
	Insulation type		Rubber with neoprene jacket		
	Spark plug protector		Neoprene		

## ELECTRICAL - SUPPRESSION

Locations & type	Non-metallic high ignition cable
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(a) ACR44N with 396 Cu. In. 325 HP

## AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (02-21-69)

MODEL	L6-230 140 HP	L6-250 155 HP	V8-307 200 HP	V8-350 250 HP	V8-350 300 HP	V8-396 325&350 HP
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## ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	Dial
	Trip odometer (yes/no)	No
Charge indicator – type		Tell-tale
Temperature indicator – type		Tell-tale
Oil pressure indicator – type		Tell-tale
Fuel indicator – type		Electric gauge
Other		Refer to page 23
Windshield wiper	Type – Standard	Electric, two-speed
	Type – Optional	None
Windshield washer	Type – Standard	Push-button
	Type – Optional	None
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	4.5-6.5 @ 12.5 V (low note); 4.2-6.2 @ 12.5 V (high note)

## DRIVE UNITS – CLUTCH (Manual Transmission)

Make & type	Chevrolet; single dry disc	Chevrolet; single dry disc, centrifugal		
Type pressure plate springs	Diaphragm	Diaphragm, bent finger design		
Total spring load (lb.)	1650-1850	1900-2200*	2100-2300	2450-2750   2600-2800
No. of clutch driven discs	One			
Clutch facing	Material	Woven type asbestos		
	Outside & inside dia.	9.12 x 6.12	10.34 x 6.50	11.00 x 6.50
	Total eff. area (sq.in.)	71.82	101.54	123.70
	Thickness	.135		.140
	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		

\* - 2100-2300 with 4-Speed transmission

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1969 DATE ISSUED 10-15-68 REVISED (\*)2-21-69

MODEL \_\_\_\_\_

## DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard
Manual 4-speed (std. or opt.)	Optional with V-8 engines
Manual with overdrive (std. or opt.)	Not available
Automatic (std. or opt.)	Optional

DRIVE UNITS – MANUAL TRANS.	L6	V8	L6	V8	V8	V8	V8	V8	V8	V8
		230	350	230	350	396	307	350	350	396
	V8-307	L65	V8-307				L68	L48		L34

Number of forward speeds	3-Speed			H. D. 3-Speed			4-Speed			
	3			3			4			
Transmission ratios	In first	2.85	2.54	3.03	2.42	2.85	2.54	2.52	2.20	
	In second	1.68	1.50	1.75	1.58	2.02	1.80	1.88	1.64	
	In third	1.00	1.00	1.00	1.00	1.35	1.44	1.46	1.27	
	In fourth	----	----	----	----	1.00	1.00	1.00	1.00	
	In reverse	2.95	2.63	3.02	2.41	2.85	2.54	2.59	2.26	

Synchronous meshing, specify gears **All forward speeds**

Shift lever location **Steering column 3-speed  
Floor mounted HD 3-speed and 4-speed**

Lubricant	Capacity (pt.)	3	3.5	3	
	Type recommended	Meeting Military Specs MIL-L-2105B			
	SAE viscosity number	Summer	SAE 80		
		Winter	SAE 80		
	Extreme cold	SAE 80			

## DRIVE UNITS – MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

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



## AMA Specifications—Passenger Car

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MODEL	POWERGLIDE		TURBO HYDRA-MATIC	
		L6-230&250 V8-307	V8-350	L6-230&250 V8-307&350

## DRIVE UNITS — AUTOMATIC TRANSMISSION

Trade name	Powerglide		Turbo Hydra-Matic	
Type describe	Torque converter with planetary gears			
Selector location	Lever, steering column; floor mounted when used with console and optional bucket seats on convertible and coupes			
List gear ratios Selector Pattern and indicate which are used in each selector position	P-Park R-1.82 N-Neutral D-1.82-1.00 L-1.82	P-Park R-1.76 N-Neutral D-1.76-1.00 L-1.76	P-Park R-1.93 N-Neutral D-2.52-1.52-1.00 L <sub>2</sub> -2.52-1.52	P-Park R-2.00 N-Neutral D-2.48-1.48-1.00 L <sub>2</sub> -2.48-1.48 L <sub>1</sub> -2.48
* Max. upshift speed—drive range	L6 230&250(56); V8-307(59);		L1 V-8-350 L65(75); V8-350 L48(81);	
Max. kickdown speed—drive range	L6 230&250(52); V8-307(55); V8-350 L65(71); V8-350 L48(77)			
Torque converter	Number of elements	3		
	Max. ratio at stall	2.10	2.10	2.10
	Type of cooling (air, liquid)	Water		
Lubricant	Nominal diameter	11.75	11.75	12.20
	Capacity—refill (pt.)	6	6.5	8
Special transmission features	Type recommended	A suffix A		

## DRIVE UNITS — PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight tube	
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.25 x 60.14 x .065 except coupes and convertibles 3.25 x 56.34 x .065 coupes and convertibles
	Manual 4-speed trans.	Same as 3-speed
	Overdrive transmission	Not available
	Automatic transmission	Same as 3-speed

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

(Continued)

## \* Turbo Hydra-Matic

Upshift: L6-230&250 (1-2 33-52; 2-3 68-82); V8-307 (1-2 38-56; 2-3 71-86);  
 V8-350 L65 (1-2 44-63; 2-3 80-96); V8-350 L48 (1-2 44-63; 2-3 80-96);  
 V8-396 L35 (1-2 37-51; 2-3 72-89); V8-396 L34 (1-2 38-50; 2-3 67-83);  
 Kickdown: L6-230&250 (2-1 44-23; 3-2 79-64); V8-307 (2-1 48-25; 3-2 83-67);  
 V8-350 L65 (2-1 52-28; 3-2 93-76) V8-350 L48 (2-1 51-27; 3-2 93-76);  
 V8-396 L35 (2-1 39-19; 3-2 83-65); V8-396 L34 (2-1 36-18; 3-2 77-60)

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**DRIVE UNITS – PROPELLER SHAFT (cont.)**

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	----
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O.D.	1.1750 / .1752
Universal joints	Make and Mfg. No.	Chevrolet
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	U-bolt
	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 – AXLE**

Type (front, rear)	Rear		
Description	Semi-floating, overhang hypoid pinion and ring gear		
Limited Slip differential, type	Dual disc clutches		
Drive Pinion Offset	1.50		
No. of differential pinions	Two		
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Single row cylindrical		
Lubricant	Capacity (pt.)	3.5 (8.125 ring gear); 4 (8.875 ring gear)	
	Type recommended	Meeting Military Specs MIL-L-2105B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
		Extreme cold	SAE 80

**AXLE RATIO TOOTH COMBINATIONS**

(See page 3 for axle ratio usage)

Axle ratio	2.56	2.73	3.08	3.36	3.55	3.07	3.31	3.55	3.73	4.10
No. of teeth	Pinion	16	15	12	11	11	14	13	11	11
	Ring gear	41	41	37	37	39	43	43	39	41
Ring Gear O.D.	8.125					8.875				

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## RIVE UNITS – WHEELS

Type & material		Short spoke disc; steel	
Rim (size & flange type)	Std.	14 x 5J	
	Opt.	14 x 6JK	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.75	
	Number and size	5 hex nuts 7/16-20 UNF-2B	

ODEL \_\_\_\_\_

## RIVE UNITS – TIRES

Standard	Size, ply rating, & ply		7.35 x 14 x 2 (4 ply rating) except station wagons 7.75 x 14 x 2 (4 ply rating) station wagons	
	Type (bias, radial, etc.)		Bias	
	Full rated Inflation Press.	Front	7.35x14 Cold 24 Hot 30; 7.75x14 Cold 22 Hot 28	
		Rear	7.35x14 Cold 28 Hot 34; 7.75x14 Cold 28 Hot 38	
Rev./Mile at 50 MPH		799 (7.35 x 14); 775 (7.75 x 14)		
Optional	Size, ply rating, & ply		G78-14-B (2+2) Station Wagon	
			E78-14-B (2+2) except Station Wagons	
			F70-14-B(2+2) except Station Wagons	
			G78-14-D(4+2) Station Wagons	
			F78-14-B(2+2) except Station Wagons	
		G70 x 14 x 2 (4 ply rating)		

## BRAKES – PARKING

Type of control		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)	----	

\* Pressures shown are up to base vehicle load limit (6 passengers plus 200 lbs. - 300 lbs. on Station Wagons)

Optional load ( 1 to 5 passengers) Front - 26 Cold, 32 Hot; Rear-24 Cold 30 Hot

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## MODEL \_\_\_\_\_

## BRAKES—SERVICE

			STANDARD	DISC-OPTIONAL	
Type (drum) or (disc & no. of pistons)			Drum (front finned)	Disc - front	
Self adjusting (std., opt., N.A.)			Standard		
Special Valving	Type (proportion, delay, metering, other)		Metering		
Power brake make & type (remote, int., etc.)	Std.	Opt.	----	(a)	
Effective area (sq. in.) *			155.2	106.1	
Gross lining area (sq. in.) **			168.9	118.1	
Swept area (sq. in.) ***			268.8	332.4	
Front to Rear Effectiveness Relationship			59	59	
Drum	Diameter (nominal)	Front	9.5	----	
		Rear		9.5	
Type and material			Composite; cast iron Rim; steel web	Cast iron	
Rotor	Outer working diameter		----	11.00	
	Inner working diameter		----	7.18	
	Working width		----	1.00	
	Material & type (vented/solid)		----	Vented	
Wheel cylinder bore	Front		1.125	2.063	
	Rear		.9375	.875	
Master Cylinder displacement distribution:	Boye		1.00	1.00	
		Front %	60	74	
Rear %		40	26		
Pedal arc ratio			6.32	3.53	
Line pressure at 100 lb. pedal load			805		
Shoe Clearance	Front		Self adjusting		
	Rear		Self adjusting		
Brake lining	Bonded or riveted		Bonded	Riveted	
	Front Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.5 x .17	5.96 x 2.21 x .41
			Second. or in-board	9.75 x 2.5 x .20	5.96 x 2.21 x .41
		Segments per shoe		One	
	Rear Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.0 x .17	9.01 x 2.0 x .17
			Second. or in-board	9.75 x 2.0 x .20	9.75 x 2.0 x .20
Segments per shoe		One			

\* 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 contact circumference.)

(a) Bendix; Delco-Moraine vacuum power unit; integral

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## MODEL \_\_\_\_\_

## 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	16.25 x 15.50	
	Power	Same as manual	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	112 in wheelbase-39; 116 in wheelbase-41;
		Curb to curb (l. & r.)	
	Inside rear	Wall to wall (l. & r.)	
		Curb to curb (l. & r.)	
Manual	Gear	Type	Semi-reversible, recirculating ball nut
		Make	Saginaw Steering
	Ratios	Gear	24:1
		Overall	28.7:1
	No. wheel turns (stop to stop)		5.2
Power	Type (coaxial, linkage, etc.)		Integral gear with vane type pump
	Make		Saginaw Steering
	Gear	Type	Same as manual
		Ratios	Gear
	Overall		21.6:1
	Pump driven by		Crankshaft pulley
No. wheel turns (stop to stop)		3.8	
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
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		N1-1/2 to N1/2; Pickup N1 to 0
	Camber (deg.)		0 to P1
	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

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## SUSPENSION - GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar
Provision for brake air control	Mounting angle of front upper control arms
Provision for acc. servat control	Geometry of rear suspension
Special provisions for car jacking	
Shock absorber front & rear	Direct double acting hydraulic
Type	
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.)	11.7 x 3.63; 133.95 x .583
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.)	9.0 x 5.50; 103.8 x .522
Spring rate (lb. per in.)	100
Rate at wheel (lb. per in.)	99.5
Mounting insulation type	Natural rubber
If leaf	No. of leaves
	Shackles (comp. or tens.)
Stabilizer	
Type (link, linkless, frameless)	None
Material	----
Track bar type	None

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MODEL \_\_\_\_\_

FRAME \_\_\_\_\_

Type and description (Separate frame, unitized frame, partially - unitized frame)

All welded perimeter frame with front crossmember; rear suspension crossmember and rear crossmember

**BODY - MISCELLANEOUS INFORMATION**

	2-Door Coupe	4-Door Sedan	Sport Coupe	Sport Sedan	Convert-ible	Station Wagon
Drs. hinged (front, rr.)   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						Top left hand of instrument panel pad
Engine No. location						6-cyl on crankcase RH side of engine, rear of distributor 8-cyl on top front of RH bank of cylinder and case
Theft protection - type						Lock, mounted on steering column; locks steering wheel, transmission shift levers and ignition
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 plate
Side glass type (i.e., curved - tempered plate)						Curved-tempered plate
Backlight glass type (i.e., compound curved - tempered plate, three piece)						Tempered plate
			Curved			Flat
Windshield glass exposed surface area	1208.7	1249.6	1208.7	1249.6	1211.8	1249.6
Side glass exposed surface area	1116.8	1197.0	1227.1	1303.6	1186.6	2419.9
Backlight glass exposed surface area	1059.4	1032.2	1059.4	1032.2	539.7	757.0
Total glass exposed surface area	3384.9	3478.8	3495.2	3585.4	2938.1	4426.5





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## WEIGHTS

	CURB WEIGHT * POUNDS			P. PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT	
	Fron.	Rear	Total	Pass. in Front		Pass. in Rear		Fuel	Coolant
				Front	Rear	Front	Rear		
<b>300 Deluxe</b>									
Model 2-Door Coupe	1680	1460	3140	46.6	53.4	20.0	80.0	122.4	26.1
4-Door Sedan	1715	1490	3205	48.6	51.4	20.6	79.4	122.4	26.1
2-Door Sport Coupe	1700	1480	3180	46.6	53.4	20.0	80.0	122.4	26.1
<b>Malibu</b>									
4-Door Sedan	1730	1505	3235	48.6	51.4	20.6	79.4	122.4	26.1
2-Door Sport Coupe	1715	1485	3200	46.6	53.4	20.0	80.0	122.4	26.1
4-Door Sport Sedan	1745	1565	3310	48.6	51.4	20.6	79.4	122.4	26.1
Convertible	1725	1555	3280	46.6	53.4	20.0	80.0	122.4	26.1
<b>Nomad</b>									
4-Door, 2-Seat (13135)	1605	1890	3495	48.6	51.4	20.6	79.4	122.4	26.1
4-Door, 2-Seat (13136)	1540	2040	3580	48.6	51.4	20.6	79.4		
<b>Greenbrier</b>									
4-Door, 2-Seat (13335)	1600	1950	3550	48.6	51.4	20.6	79.4	122.4	26.1
4-Door, 3-Seat (13346)	1605	2115	3720	48.6	51.4	20.6	79.4	122.4	26.1
4-Door, 2-Seat (13336)	1565	2070	3635	48.6	51.4	20.6	79.4		
<b>Concours</b>									
4-Door, 2-Seat (13536)	1610	2040	3650	48.6	51.4	20.6	79.4	122.4	26.1
4-Door, 3-Seat (13546)	1610	2120	3730	48.6	51.4	20.6	79.4	122.4	26.1
<b>El Camino</b>									
2-Door Pick-Up - Std.	1675	1515	3190	49.3	50.7	---	---	122.4	26.1
- Dlx.	1690	1530	3220	49.3	50.7	---	---	122.4	26.1

Accessories & Equipment	Differential Weights			Remarks
Power Windows	+ 11	+ 12	+ 23	
Electric Folding Top	+ 1	+ 8	+ 9	
Air Conditioning	+ 86	+ 7	+ 93	
Power Brakes	+ 10	+ 2	+ 12	
Power Disc Brakes	+ 31	+ 8	+ 39	
250 Cu. In. 6 Cyl. Engine	+ 17	0	+ 17	
396 Cu. In. V8 Engine	+197	+ 56	+253	325 HP
350 Cu. In. V8 Engine	+ 33	+ 18	+ 51	300 HP
350 Cu. In. V8 Engine	+ 33	+ 18	+ 51	250 HP
4-Speed Transmission	+ 5	+ 2	+ 7	
Powerglide Trans.-6 Cyl.	- 17	+ 2	- 15	
-V8	- 10	+ 2	- 8	
Turbo Hydra-Matic Trans	+ 18	+ 6	+ 24	Chevrolet built
Turbo Hydra-Matic Trans	+ 34	+ 13	+ 47	
H. D. 3-Spd. Man. Trans	+ 16	+ 3	+ 19	
Power Steering	+ 29	0	+ 29	
Tape Player	+ 13	+ 4	+ 17	
Push Button Radio	+ 6	+ 3	+ 9	
Radio Stereo	+ 10	+ 3	+ 13	
Luggage Carrier	+ 2	+ 14	+ 16	
Special Sport Sedan	+ 4	- 5	- 1	

Reference - SAE Aerospace-Automotive drawing standards, Section E 1.02 (d).

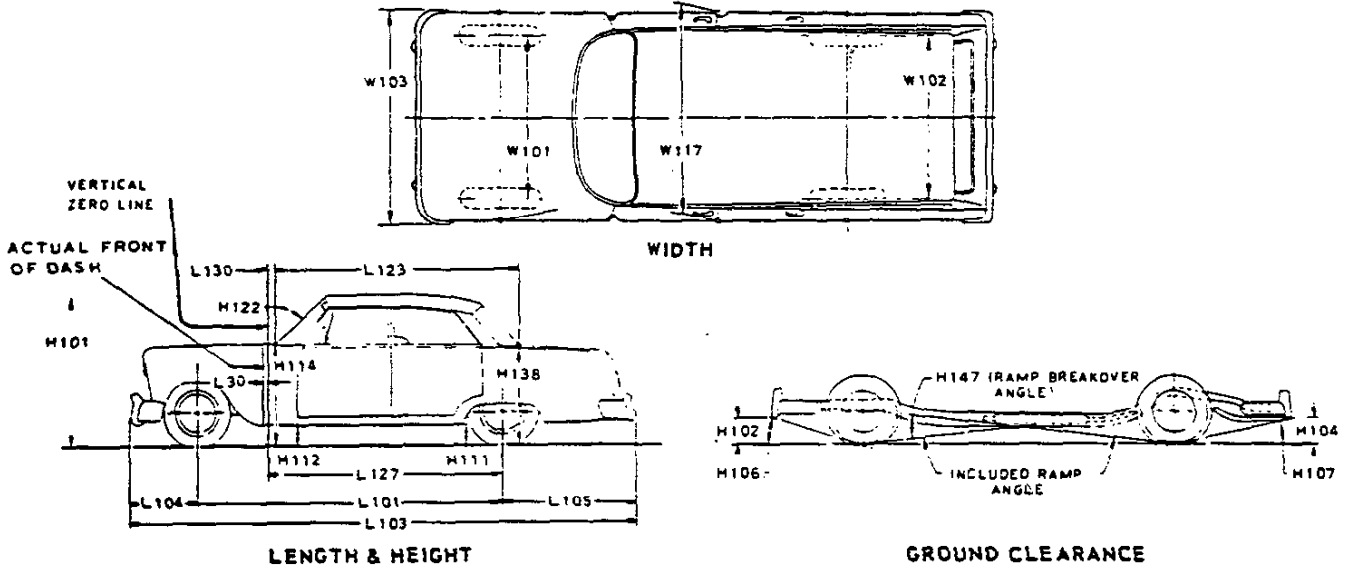


# AMA Specifications—Passenger Car

## CAR AND BODY DIMENSIONS

### KEY SHEET

#### EXTERIOR CAR AND BODY DIMENSIONS



#### INTERIOR CAR AND BODY DIMENSIONS

