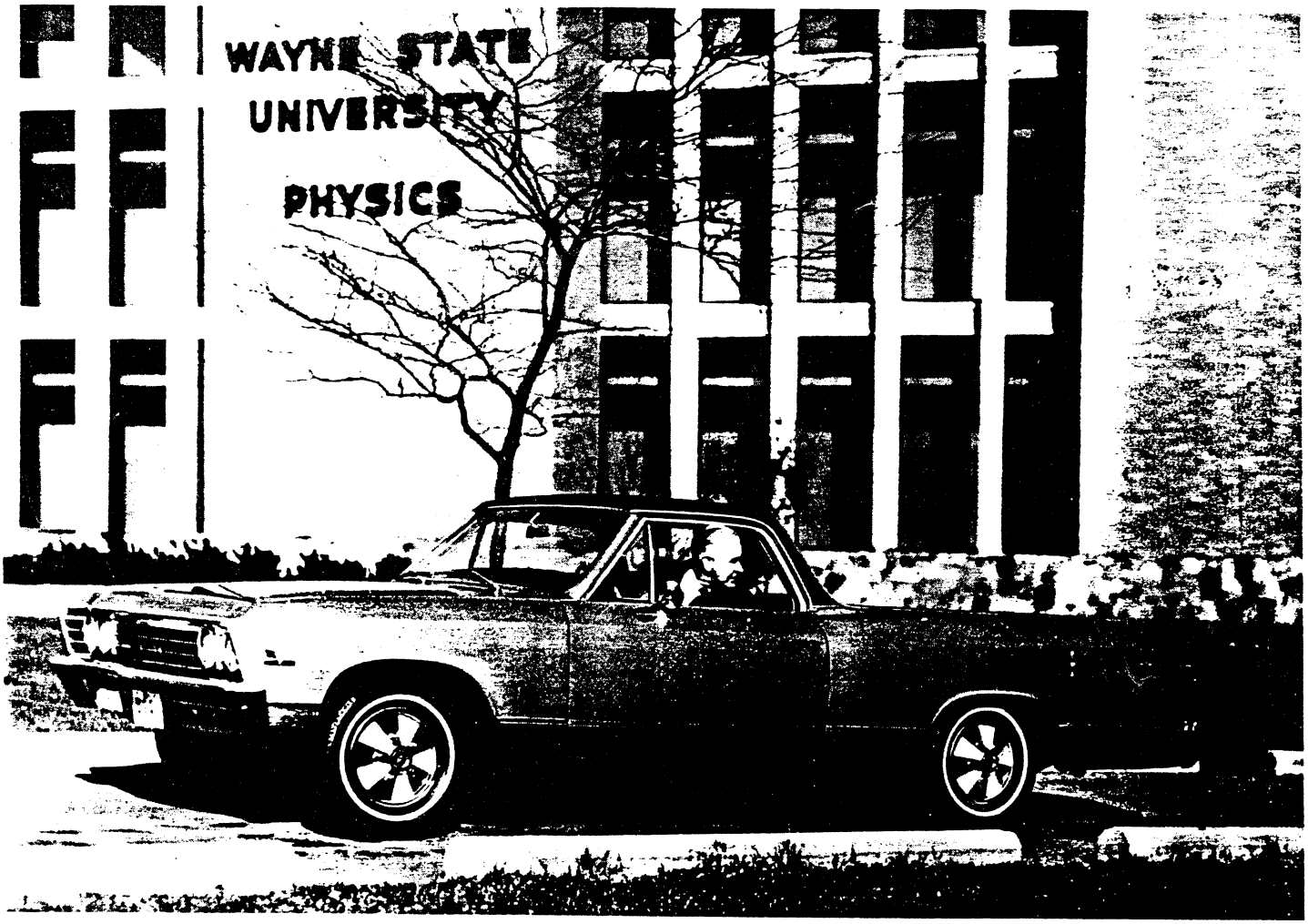
2/31ELCA-67

1967



CHEVROLET EL CAMINO

EL CAMINO

GVW Rating: 4300 lb

EL CAMINO SERIES

Six-Cylinder Models

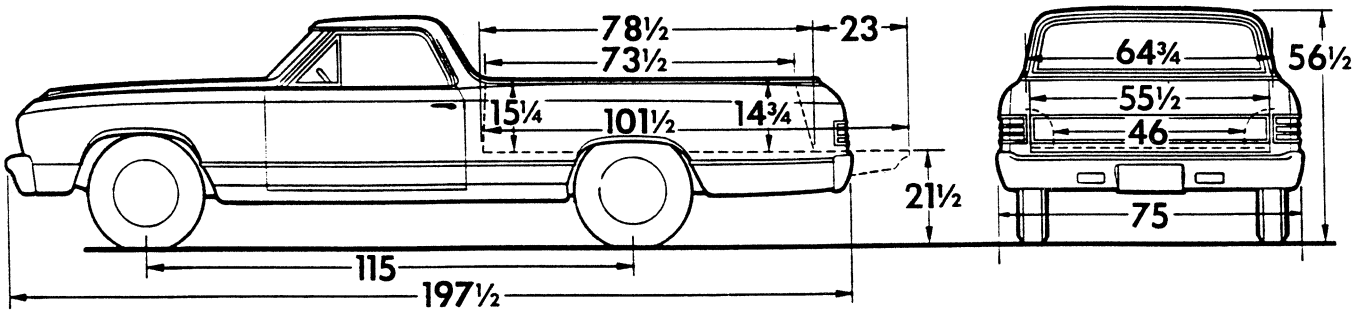
13380 Sedan Pickup
13580 Sedan Pickup

V8 Models

13480 Sedan Pickup
13680 Sedan Pickup

DIMENSIONS

(With std equipment, unloaded)



Models	Curb Weights (lb)			Payload Wt. Dist.*	
	Front	Rear	Total	Front	Rear
13380	1655	1449	3104	0%	100%
13580	1646	1443	3089		
13480	1764	1472	3236	0%	100%
13680	1765	1472	3237		

*Estimate based on water-level loading.

STANDARD EQUIPMENT

Air Cleaner:
Models 133–13580; oil-wetted polyurethane element
Models 134–13680; oiled-paper element

Axle Rear: Hypoid: *capacity 2700 lb*
Models 133–13580; ratio 3.36
Models 134–13680; ratio 3.08

Battery: 12-volt; capacity 44-amp-hr

Brake, Parking: Cable to rear wheels

Brakes, Service: Hydraulic; self-adjusting
Sizes: front 9½" x 2½"; rear 9½" x 2"
Effective area: drum 228½ sq in; lining 172¾ sq in

Bumper: Front and rear; chrome plated

Cab: See *Cabs, Bodies & Colors* section

Carburetor:
Models 133–13580; single-barrel downdraft
Models 134–13680; two-barrel downdraft

Clutch:
Models 133–13580; diameter 9⅛"; area 72 sq in
Models 134–13680; diameter 10"; area 91 sq in

➔**Cooling:**
Models 133–13580; capacity 12 qts; 1¼" radiator core; 323-sq-in area; 15-lb pressure cap; 180° thermostat
Models 134–13680; capacity 16 qt; 1¼" radiator core; 357-sq-in area; 15-lb pressure cap; 180° thermostat

Controls & Instruments: Light switch; headlight beam control; speedometer; odometer; fuel gauge
Lights for generator, oil pressure, engine temperature, direction signals and high beam indicator

Direction Signals: Two front and two rear; includes freeway lane-change position on switch & integral hazard warning switch

Engine: *See Power Teams chart for power ratings*
Models 133–13580; 140-hp 230 Hi-Thrift Six; positive crankcase ventilation
Models 134–13680; 195-hp 283 Turbo-Fire V8 (2-bbl); positive crankcase ventilation

Exhaust System: Single pipe & aluminized muffler

Filter, Fuel: Plastic strainer in fuel tank and bronze filter in carburetor

Filter, Oil: Full-flow

Frame: Carbon steel; perimeter

Generator: 37-amp Delcotron

GVW Plate: 4300 lb

Heater & Defroster

Instrument Panel, Padded

Lights: Head, parking, tail, rear license carrier, stop; dome, instrument panel and backup

Mirror, Rearview: Inside non-glare shatterproof prismatic type & LH outside

➔**Seat Belts:** Driver & passenger; includes retractors

Shock Absorbers, Front: 1" diameter

Shock Absorbers, Rear: 1" diameter; air-booster type

Springs, Front: Coil; *capacity 950 lb each* at ground

Springs, Rear: Coil; *capacity 1100 lb each* at ground

Steering: Ball-gear, ratio 24:1; energy-absorbing steering wheel and column—wheel dia 16½"

Sunshades, Padded

Suspension, Front: Independent; *capacity 1900 lb*

Tank, Fuel: Capacity approx 20 gal

Tires: Five tubeless 7.35–14/2-ply (4-ply rating) front, rear and spare except on Models 134–13680 when 396 V8 engine is ordered

Five tubeless 7.75–14/2-ply (4-ply rating) front, rear and spare on Models 134–13680 when 396 V8 engine is ordered

Tools: Mechanical jack; wheel wrench

Transmission: 3-speed fully synchronized; steering column gearshift; ratios 2.85, 1.68, 1.00, 2.95

Wheels: Five 14" x 5"; bolt attachment; spare carrier behind seat; 4 bright-metal hub cabs

Windshield Wipers & Washer: Electric; 2-speed wipers

GVW SELECTOR

GVW Rating (lb)	Chassis Equipment Required for GVW Rating
4300	Standard

Note: Be sure to recommend adequate springs and tires for total axle loads. See Optional Equipment and Tire & Wheel Combination pages.

OPTIONAL EQUIPMENT

For dealer-installed equipment, see *Custom Features* section.

Appearance Guard Group: Includes two color-keyed front floor mats, front bumper guards, door edge guards, custom deluxe seat belts

Models 13380 & 13480: Includes items 1, 2, 3 & 4

Models 13580 & 13680: Includes items 1, 2 & 3

Auxiliary Lighting Group: Includes three or more of the following items: 1. Courtesy lamps; 2. Underhood lamp; 3. Ashtray lamp; 4. Glove compartment lamp

Foundation Group: Includes pushbutton radio, electric clock and deluxe foam seat cushion. Available on Models 13380 & 13480 only

All items contained in the above groups may be ordered separately and are shown in the following Options list

Air Conditioning, Four-Season: Incl 61-amp Delcotron, HD radiator and temp-controlled radiator fan C60

Axle, Rear: *See Power Teams chart for availability*
Economy .....
Performance .....
Special .....

Axle, Positraction Rear G80

Battery: HD; 66-plate, 70 amp-hr T60

Belts, Shoulder: Driver & passenger
Standard type—For use with standard seat belts AS1
Custom Deluxe—Available only when custom deluxe seat belts or Appearance Guard Group is ordered A85

➔**Brakes, Front Disc:** Requires use of power brakes; not available with metallic brake linings. Includes special hubcaps & trim rings J52

➔**Brake Linings, Sintered-Metallic:** Models 13480 & 13680 only. Available only when 325-hp 327 cu in or 396 cu in engines are ordered .. J65

Brakes, Vacuum Power J50

Clock, Electric: Models 13380 & 13480 only .. U35

Clutch, Heavy-Duty: Not available with 250 or 396 engines or GM air injection reactor M01

Console: Available only when bucket seats and optional transmission (except overdrive) are ordered. Includes compartment and electric clock. Gearshift lever is located on console D55

Engines: *See Power Teams chart for power ratings and transmission availability*
Models 133–13580
155-hp Turbo-Thrift 250 Six L22
Models 134–13680
275-hp Turbo-Fire 327 V8 ..... L30
325-hp Turbo-Fire 327 V8 ..... L79
325-hp Turbo-Jet 396 V8 ..... L35
350-hp Turbo-Jet 396 V8 ..... L34

Exhaust, Dual: For 275-hp engine only N10

Fan, Radiator: 8-cyl models only; temperature-controlled. Included with Four-Season air conditioning K02

➔**GM Air Injection Reactor:** Approved by State of California for vehicle registration. Requires closed engine positive ventilation K19

Generator, Alternating Current:
42-amp Delcotron K79
61-amp Delcotron K76

Glass, Soft Ray Tinted:
All windows A01
Windshield only A02

Guards: Front bumper V31
Door edge B93

➔**Head Restraints:** Driver & passenger
With bench seat A82
With bucket seats A81

Heater & Defroster Deletion: Not available with air conditioning C48

Horn, Tri-Volume U03

Instrumentation, Special: Model 13680 only. Includes tachometer, ammeter, temperature and oil pressure gauges U14

➔**Lights:**
Ashtray U28
Courtesy U29
Underhood U26
Glove compartment (Models 13380 & 13480 only) U27

Mats, Floor: Two front; color-keyed B37

Mirror, Exterior: LH remote control D33

Paint, Exterior: Solid color; see *Cabs, Bodies & Colors* section

Radiator, Heavy-Duty: Not available with air conditioning V01

Radio: Fully transistorized
Pushbutton control; front antenna U63

Radio, AM-FM: Pushbutton control; front antenna U69

Roof Cover, Vinyl:
Black C08
Beige C08

Seat Cushion, Extra-Thick Foam: Bench seats only B55

EL CAMINO

OPTIONAL EQUIPMENT (Continued)

Seats, Strato-Bucket: Models 135–13680 only A51

Speed & Cruise Control: 8-cyl models with Powerglide transmission only K30

Speed Warning Indicator U15

Steering, Power N40

Steering Wheel: Sports-styled walnut-grained plastic rim N34

Steering Wheel, Comfortilt: (seven-position) Powerglide or 4-speed transmission required N33

Steering Wheel: Deluxe; Models 13380 & 13480 only N30

Suspension, Special Front & Rear: Includes special front springs and 2700-lb capacity rear springs F40

Tachometer: Electric; 8-cylinder models U16

Transmissions: *See Power Teams chart for availability*

- *3-speed special fully synchronized* (floor mtd) M13
- *4-speed wide-range* M20
- *4-speed close-ratio* M21
- *Overdrive* M10
- *Powerglide* M35
- *Turbo Hydra-Matic* M40

➔**Ventilation, Closed Engine Positive:** Included when 325-hp 327-cu-in engine is ordered K24

Wheel Covers: Four, bright metal; not available with disc brakes P01

➔**Wheel Covers, Mag-Style:** Not available with disc brakes N96

➔**Wheel Covers, Simulated Wire:** Not available with disc brakes P02

Windows, Power A31

➔TIRE & WHEEL COMBINATIONS

TUBELESS TIRES	Tire Cap	Type of Wheel	Rim Width	Opt No.
PASSENGER CAR TYPE				
7.35–14/2-ply (4-ply rating)—Regular Blackwall	*1020*	Disc	5	Std
7.35–14/2-ply (4-ply rating)—Regular Whitewall	*1020*	Disc	5	P58
♦7.75–14/2-ply (4-ply rating)—Regular Blackwall	*1120*	Disc	5	P65
7.75–14/2-ply (4-ply rating)—Regular Whitewall	*1120*	Disc	5	P62
7.75–14/4-ply (4-ply rating)—Nylon Blackwall	*1120*	Disc	5	P60
7.75–14/4-ply (4-ply rating)—Nylon Whitewall	*1120*	Disc	5	P61
F70–14/2-ply (4-ply rating)—Special Nylon White Stripe	—	Disc	5	PW7
F70–14/2-ply (4-ply rating)—Special Nylon Red Stripe	—	Disc	5	PN8

♦ Included with 396 V8 engines

➔Engine, Transmission and Rear Axle Combinations

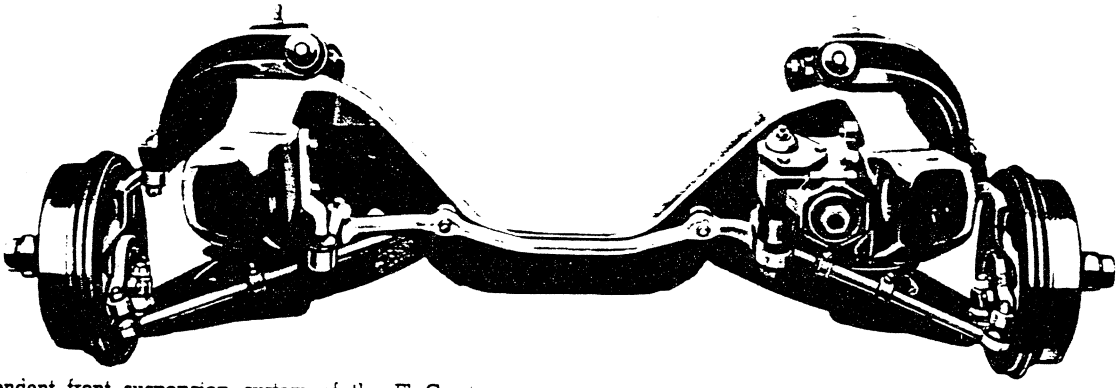
ENGINES		TRANSMISSION	REAR AXLE RATIOS★							
			Without Air Conditioning				With Air Conditioning			
Option	Description		Std	Optional			Std	Optional		
				Econ	Perf	Spec		Econ	Perf	Spec
Std on Models 133-13580	**140-hp Turbo-Thrift 230 6-Cylinder** 230-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro								
		Powerglide								
		Overdrive	3.70:1	—	—	—	3.70:1	—	—	—
L22 on Models 133-13580	**155-hp Turbo-Thrift 250 6-Cylinder** 250-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro								
		Powerglide	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	3.70:1	—	—	—	3.70:1	—	—	—
Std on Models 134-13680	**195-hp Turbo-Fire 283 8-Cylinder** 283-cu-in displacement 2-barrel carburetor 9.25:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro								
		4-Speed Wide-Range								
		Powerglide								
		Overdrive	3.70:1	—	—	—	3.70:1	—	—	—
L30 on Models 134-13680	**275-hp Turbo-Jet 327 8-Cylinder** 327-cu-in displacement Regular camshaft 4-barrel carburetor 10.0:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Special 3-Speed Full-Synchro Powerglide								
		4-Speed Wide-Range	3.07:1	—	3.31:1	3.55:1 or 3.73:1	3.31:1	—	3.55:1	3.73:1
L79 on Models 134-13680	**325-hp Turbo-Fire 327 8-Cylinder** 327-cu-in displacement High-lift camshaft 4-barrel carburetor 11.0:1 compression ratio Hydraulic valve lifters	Special 3-Speed Full-Synchro	3.31:1	3.07:1	3.55:1	3.73:1	3.31:1	—	3.55:1	3.73:1
		4-Speed Wide-Range								
		4-Speed Close-Ratio	3.31:1	3.07:1	3.55:1	3.73:1 4.10:1 4.56:1 4.88:1	3.31:1	—	3.55:1	3.73:1
L35 on Models 134-13680	**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 Full-Synchro	3.31:1	3.07:1	3.55:1	3.73:1 or 4.10:1	3.07:1	—	—	—
		4-Speed Wide-Range								
		Powerglide	3.07:1	2.73:1	3.31:1	3.55:1 3.73:1 4.10:1	3.07:1	—	—	—
		Turbo Hydra-Matic	#2.73:1	—	3.07:1	3.31:1	3.07:1	—	—	—
L34 on Models 134-13680	**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	Special 3-Speed Full-Synchro	3.55:1	3.31:1	3.73:1	4.10:1	3.07:1	—	—	—
		4-Speed Wide-Range								
		Powerglide	3.31:1	3.07:1	3.55:1	3.73:1 or 4.10:1	3.07:1	—	—	—
		4-Speed Close-Ratio	3.55:1	3.31:1	3.73:1	3.07:1 4.10:1 4.56:1 4.88:1	3.07:1	—	—	—
		Turbo Hydra-Matic	3.07:1	2.73:1	3.31:1	—	3.07:1	—	—	—

★ All ratios available as positraction. *(4.10:1, 4.56:1 and 4.88:1 available as positraction only.)* See ordering information on page 5.

When G.M. Air Injection Reactor (RPOK19) is ordered with Turbo Hydra-Matic trans. (RPO M40), standard axle is 2.56:1, Performance axle is 2.73:1

INDEPENDENT FRONT SUSPENSION

EL CAMINO MODELS



The independent front suspension system of the El Camino utilizes stamped control arms, coil springs and special sealed pivot points.

The control arms are channel-section heavy-gauge metal stampings and attach to the steering knuckles with non-metallic lined spherical joints. The lower arm features a tension-type spherical joint and the upper arm a compression joint unit. The four spherical joints require lubrication only every 6000 miles under normal driving conditions.

Coil springs are mounted between the lower arms and the towers formed in the front crossmember. Shock absorbers are mounted vertically within the springs.

A conventional link-type stabilizer bar is standard equipment on all El Camino models.

SPRINGS

	STD	OPTIONAL
Rating at Ground (lb each)	950	950
Sprung Capacity (lb each)	840	840
Deflection Rate at Wheel (lb/inch)	290	320

STD SHOCK ABSORBERS

Type	Hydraulic Direct Double Acting
Piston Diameter (in)	1.00
Piston Travel (in)	5.90

I-BEAM AXLE WITH SINGLE-STAGE LEAF SPRINGS

SERIES P20 & P30

STD AXLES

	PS20	PS30	PT30
CAPACITY (lbs)	4000	4000	4000

STD SPRINGS

Rating at Ground (lbs)	2000	2000	2500
Rating at Pad (lbs)	1700	1700	2200
Clamped Defl. Rate (lbs/inch)	490	490	726
Number of Leaves	8	8	10
Length (inches)	44	44	44
Width (inches)	2	2	2

OPTIONAL SPRINGS

Rating at Ground (lbs)	—	2500	—
Rating at Pad (lbs)	—	2200	—
Clamped Defl. Rate (lbs/inch)	—	726	—
Number of Leaves	—	10	—
Length (inches)	—	44	—
Width (inches)	—	2	—

STD SHOCK ABSORBERS

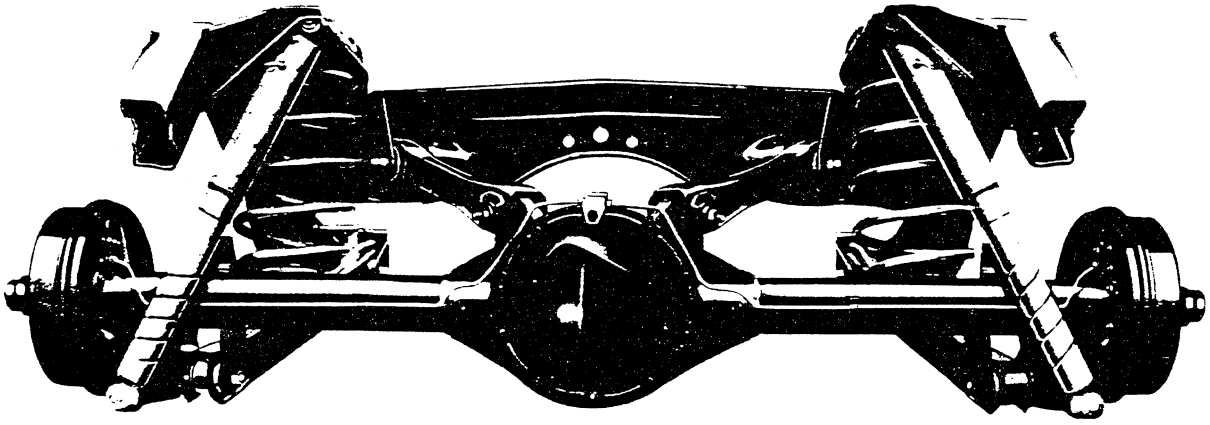
Type	Hydraulic Direct Double Acting		
Piston Diameter (in)	1.00		
Piston Travel (in)	7.75	7.75	7.75

The P20 and P30 Step-Vans and Forward Control Chassis models use the modified Reverse-Elliott-type I-beam front axle with single-stage springs. Constructed of drop-forged heat-treated steel, these rugged axles provide long-lasting durability. Constant diameter kingpins are fitted with Delrin 500 bushings for long life.

Spring attachment in the front is by a rubber bushed double spring eye bolted directly to a stamped steel hanger. At the rear, the spring eye connects to a set of shackles which permit smooth spring action.

REAR SUSPENSION

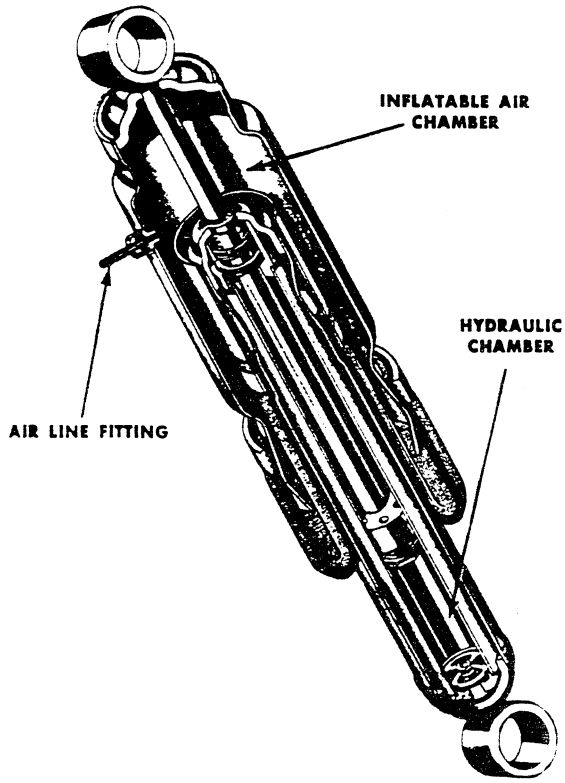
EL CAMINO MODELS



The 4-link rear suspension design of the El Camino models provides excellent ride and load-carrying characteristics. Two stamped channel-section lower control arms extend from brackets at each end of the axle housing to brackets at the start of the frame rail kick-up. Each control arm end pivots in compressed rubber bushings. Shorter stamped channel-section upper control arms mount on brackets attached to the differential housing and extend diagonally outward to brackets on the intermediate Z-shaped frame crossmember to restrict lateral axle movement relative to the frame. Coil springs are positioned directly over the axle housing. Hydraulic direct double-acting air-booster-type shock absorbers are mounted diagonally behind the coil springs.

Standard & Optional Coil Springs

Series	Rating at Ground (lb each)	Sprung Capacity (lb each)	Spring Type	Deflection Rate (lb/inch)	Wire Diameter (inch)	Outside Diameter (inches)
133-134-135-13680—Standard	**1100**	950	1-Stage	130	0.575	6.78
133-134-135-13680—Optional	**1350**	1200	1-Stage	160	0.623	6.78



El Camino Rear Shock Absorbers Std Equipment Air-Booster Type

El Camino load capacity is increased by 500 pounds when the standard equipment air-booster rear shock absorbers are fully inflated.

Encircled by inflatable air chambers, these shock absorbers can be adjusted by varying the air pressure to meet different road and load conditions. Air pressure is varied through a tire-type air valve mounted adjacent to the spare tire in the cab. From the air valve, air feed lines of durable nylon connect to each shock through a tee fitting which also serves as a balance line to equalize the pressure in each shock absorber chamber. The air chamber is independent of the internal shock mechanism, which assures normal control in event of accidental air pressure loss.

TURBO-THRIFT 230 SIX PERFORMANCE
(EL CAMINO MODEL)

Basic Specifications

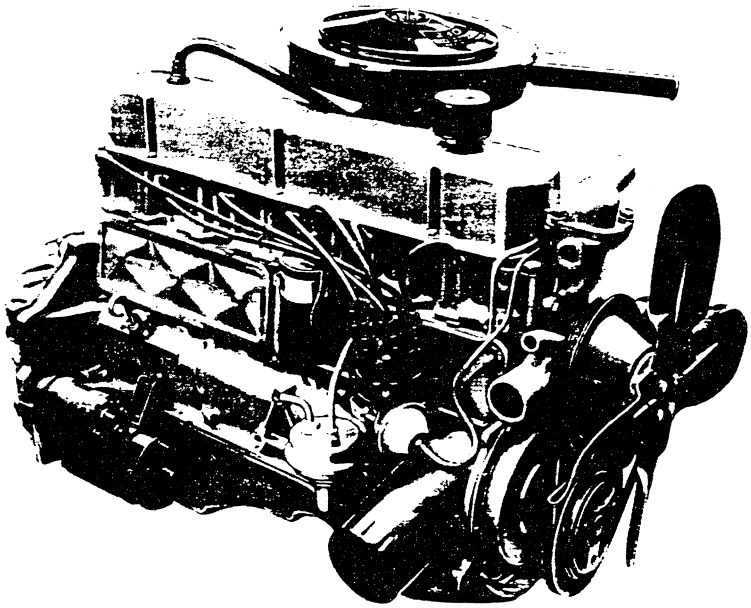
Engine type	Valve-in-head
Piston displacement	230 cu in
Bore & stroke (nominal)	3⅞" x 3¼"
Dry weight (with clutch)	465 lb
Compression ratio	8.5:1
Taxable horsepower (SAE)	36.0
Carburetor type	1-barrel

Test Procedures

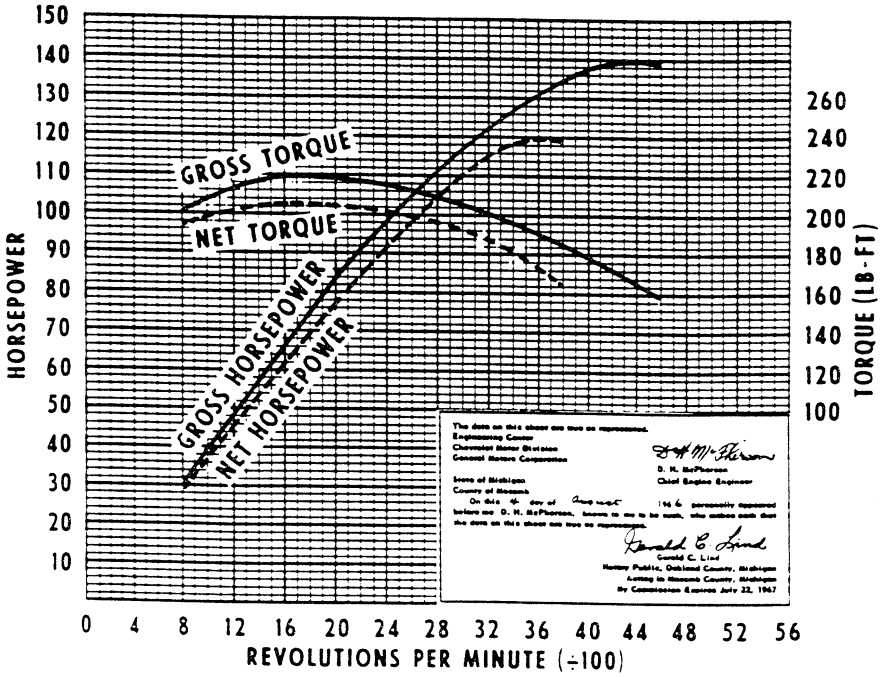
These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92" mercury and 60° F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.



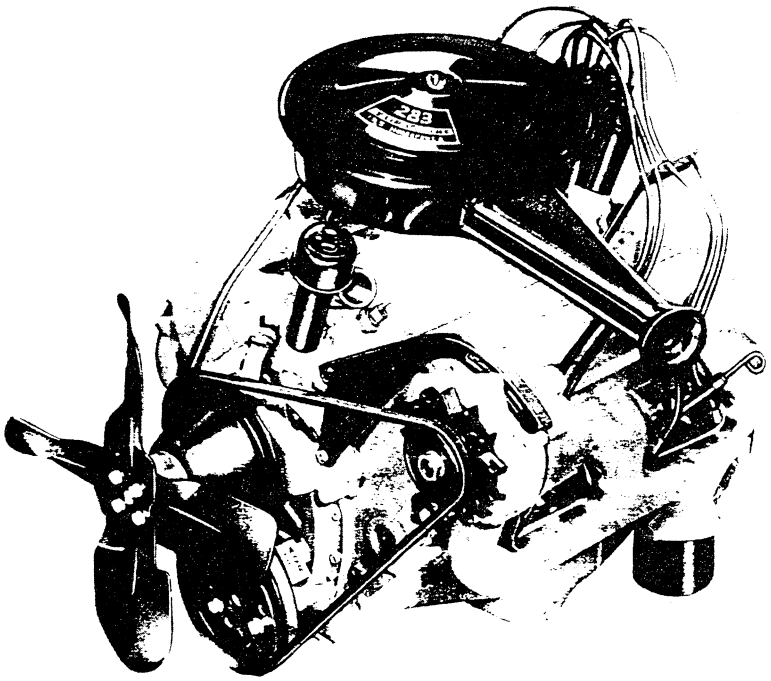
Gross horsepower	140 @ 4400 rpm
Net horsepower	120 @ 3600 rpm
Gross torque, lb-ft	220 @ 1600 rpm
Net torque, lb-ft	205 @ 1600 rpm



TURBO-FIRE 283 V8 PERFORMANCE
(EL CAMINO MODEL)

Basic Specifications

Engine type ..... Valve-in-head
Piston displacement ..... 283 cu in
Bore & stroke (nominal) ..... 3⅞" x 3"
Dry weight (with clutch) ..... 607 lb
Compression ratio 9.25:1
Carburetor type 2-barrel



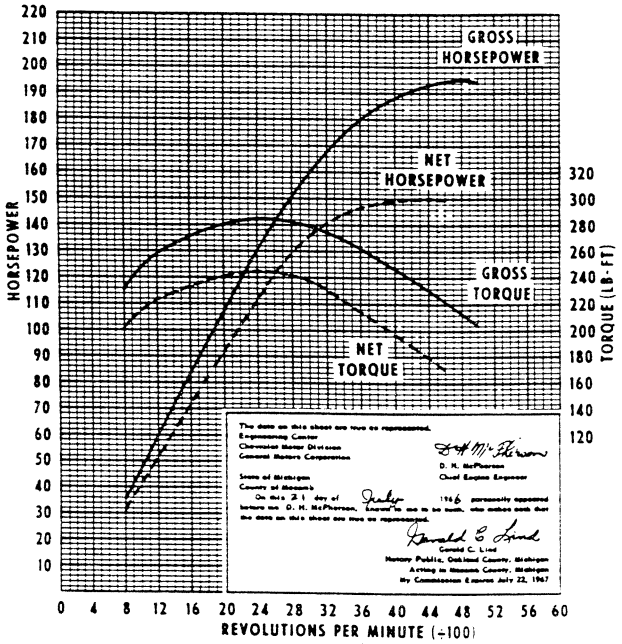
Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92" mercury and 60° F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.

Gross horsepower ..... 195 @ 4800 rpm
Net horsepower ..... 150 @ 4400 rpm
Gross torque, lb-ft ..... 285 @ 2400 rpm
Net torque, lb-ft ..... 245 @ 2400 rpm



➔TURBO-FIRE 327 V8 PERFORMANCE
(EL CAMINO MODEL)

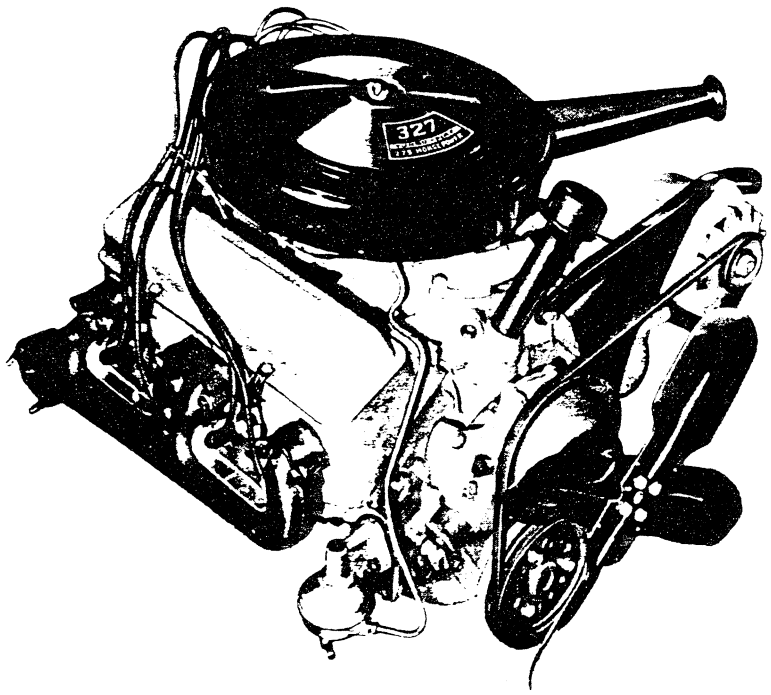
Basic Specifications

Engine type	Valve-in-head
Piston displacement	327 cu in
Bore & stroke (nominal)	4.0" x 3¼"
Compression ratio 275 HP	10.5:1
325 HP	11.0:1
Carburetor type	4-barrel

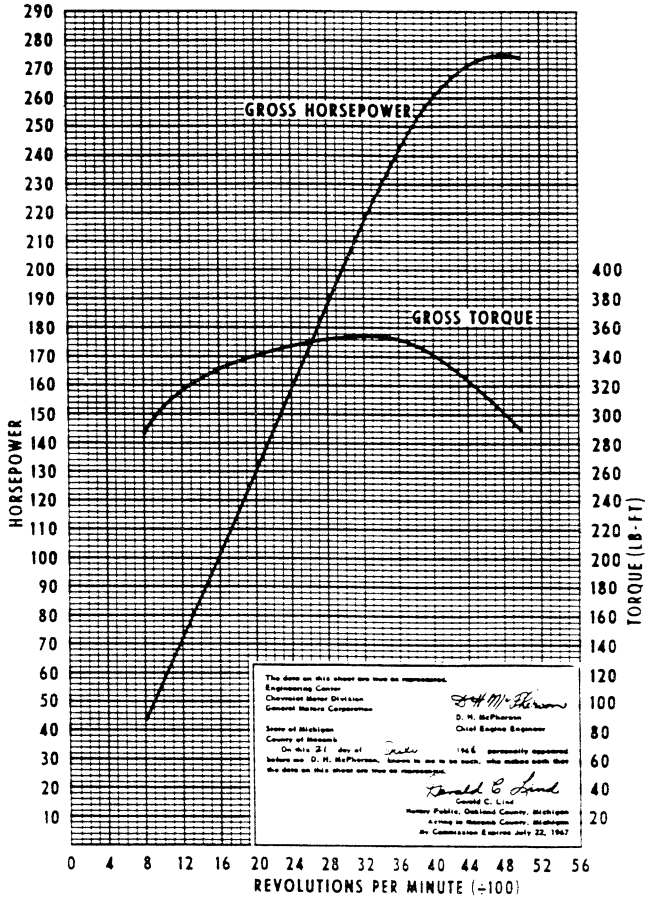
Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92" mercury and 60°F dry air.

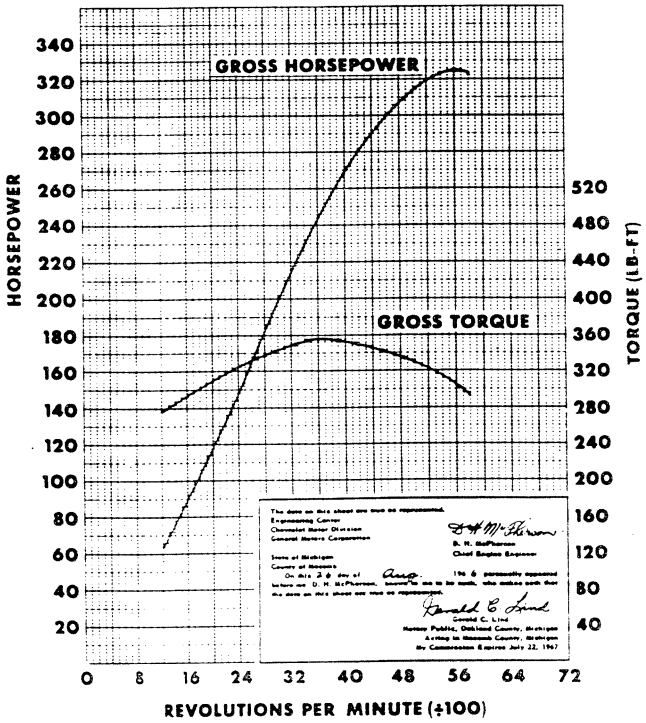
Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.



Gross horsepower . . . . . 275 @ 4800 rpm
Gross torque, lb-ft . . . . . 355 @ 3200 rpm



Gross horsepower . . . . . 325 @ 5600 rpm
Gross torque, lb-ft . . . . . 355 @ 3600 rpm



EL CAMINO TRANSMISSIONS

➔3-SPEED TRANSMISSIONS

Type	Chevrolet 3-Speed	HD 3-Speed	Chevrolet 3-Speed	HD 3-Speed
Applications	230 Six, 250 Six, 283 V8		327 V8	327 V8, 396 V8
Synchronized Speeds	All forward			
Gear Ratios:				
First	2.85	2.86	2.54	2.41
Second	1.68	1.72	1.50	1.57
Third	Direct	Direct	Direct	Direct
Reverse	2.95	2.86	2.63	2.41
Gears:				
Type	Helical			
Material	Forged steel; hardened			
Gearshift Control:				
Type	Manual remote			
Location	Mounted on steering column			

4-SPEED TRANSMISSIONS

Type	Chevrolet 4-Speed	Chevrolet 4-Speed	Chevrolet 4-Speed
Applications	283 V8	327 V8	396 V8 (325 HP, 350 HP)
Synchronized Speeds	All forward		
Gear Ratios:			
First	3.11	2.54	2.52
Second	2.20	1.80	1.88
Third	1.47	1.32	1.47
Fourth	Direct	Direct	Direct
Reverse	3.11	2.54	2.59
Gears:			
Type	Helical		
Material	Forged steel; hardened		
Gearshift Control:			
Type	Manual direct		
Location	Mounted on the floor		

OVERDRIVE TRANSMISSIONS

Type	Chevrolet 3-Speed Overdrive
Applications	250 Six, 283 V8
Synchronized Speeds	All forward
Type of Overdrive	3-Pinion planetary unit
Gear Ratios:	
First	2.85
First-overdrive	2.00
Second	1.68
Second-overdrive	1.18
Third	Direct
Third-overdrive	.70
Reverse	2.95
Gears:	
Type	Helical
Material	Forged steel; hardened
Gearshift Control:	
Type	Manual remote
Location	On steering column
Lockout Method	By manual "pull-type" control or accelerator kickdown

AUTOMATIC TRANSMISSIONS

Type	Chevrolet Powerglide	
Applications	230 Six, 250 Six, 283 V8	327 V8, 396 V8 (325 HP & 350 HP)
Converter Ratio	2.1	
Ratios:		
First (Lo)	1.82	1.76
Second (Drive)	Direct	Direct
Reverse	1.82	1.76
Cooling	Water	

ADVANCE GENERAL INFORMATION

1967 PASSENGER CAR AND EL CAMINO MODELS

CHEVROLET

CHEVELLE

CAMARO

CHEVY II

CORVAIR

CORVETTE

EL CAMINO

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

Chevrolet Central Office Distribution Department

AUGUST 15, 1966

1967 MODELS WITH STANDARD EQUIPMENT
115" Wheelbase

Model	Description
6-Cylinder—140-hp Hi-Thrift 230 Engine	
13380	2-Door El Camino-3-Passenger
13580	2-Door Custom El Camino-3-Passenger
8-Cylinder—195-hp Turbo-Fire 283 Engine	
13480	2-Door El Camino-3-Passenger
13680	2-Door Custom El Camino-3-Passenger

Factory Installed Regular Production Tires

Description	Ordering Column 34-35 Code	Option Number
TUBELESS TIRES		
Replaces (5) 7.35-14/2-Ply (4-ply rating) Original Equipment Blackwall		
(5) 7.35-14/2-Ply (4-ply rating) Original Equipment Whitewall	21	P58
(5) 7.75-14/2-Ply (4-ply rating) Original Equipment Blackwall	29	P65
(5) 7.75-14/2-Ply (4-ply rating) Original Equipment Whitewall	28	P62
(5) 7.75-14/4-Ply (4-ply rating) Nylon Blackwall	26	P60
(5) 7.75-14/4-Ply (4-ply rating) Nylon Whitewall	27	P61
Replaces (5) 7.75-14/2-Ply (4-ply rating) Original Equipment Blackwall		
Which are included with optional 325-hp or 350-hp engines		
(5) 7.75-14/2-Ply (4-ply rating) Original Equipment Whitewall	28	P62
(5) 7.75-14/4-Ply (4-ply rating) Nylon Blackwall	26	P60
(5) 7.75-14/4-Ply (4-ply rating) Nylon Whitewall	27	P61

OPTIONS & ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Col-Code	Option Number
GROUPS		
Appearance Guard Group: Includes color-keyed (2) front floor mats, front bumper guards, door edge guards, custom deluxe seat belts	69-1	...
Auxiliary Lighting Group: Includes three or more of the following items: 1. Courtesy lamps; 2. Underhood lamp; 3. Ash-tray lamp; 4. Glove compartment lamp		
Models 13380 & 13480 (Includes items 1, 2, 3, & 4)	70-1	...
Models 13580 & 13680 (Includes items 1, 2, & 3)	70-1	...
Foundation Group: Includes pushbutton radio, electric clock and deluxe foam front seat cushion		
Models 13380 & 13480 only	67-1	...
All items contained in the above groups may be ordered separately and are shown in the following options list.		
Air Conditioning, Four-Season: Includes 61-amp Delcotron, heavy-duty radiator, temperature-controlled radiator fan	54-1	C60
Axle, Positraction Rear	31-B	G80
Axle Ratio: See Power Teams chart for availability		
Economy	32-1	...
Performance	32-2	...
Special (Desired axle ratio must be written on order form in appropriate box under heading "Special")	....	...
Battery, Heavy-Duty: 66-plate, 70-amp-hr	36-1	T60
Belts, Shoulder: Driver and passenger		
Standard Type—For use with standard seat belts	45-4	AS1
Custom Deluxe—Available only when custom deluxe seat belts or appearance guard group is ordered	45-1	A85
Brakes: Vacuum power	33-2	J50
Clock, Electric: Models 13380 & 13480 only	57-3	U35
Clutch, Heavy-Duty: Not available with 250- or 396-cu-in engines or GM air injection reactor	44-2	M01
Console: Available only when bucket seats & optional transmission (except overdrive) are ordered. Includes electric clock & compartment. Transmission gearshift lever is located on console	49-1	D55

EL CAMINO

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Ordering Col-Code	Option Number
Engines: See Power Teams Chart for complete engine specifications, model and transmission availability.		
155-hp Turbo-Thrift 6-cylinder	30-1	L22
275-hp Turbo-Fire 327 V8	30-2	L30
325-hp Turbo-Fire 327 V8	30-3	L79
325-hp Turbo-Jet 396 V8	30-4	L35
350-hp Turbo-Jet 396 V8	30-8	L34
Exhaust, Dual: For 275-hp engine only	41-2	N10
Fan, Radiator: 13480 and 13680 only. Temperature-controlled. Included when air conditioning is ordered	44-1	K02
Generator, Alternating Current:		
42-amp Delcotron. Not available when air conditioning is ordered	42-1	K79
61-amp Delcotron. Included when air conditioning is ordered	42-2	K76
Glass, Soft Ray Tinted: All windows	50-1	A01
Windshield only	50-2	A02
GM Air Injection Reactor: *Approved by the state of California and exclusive to California vehicle registrations.* Available only when closed engine positive ventilation is ordered	40-2	K19
Guard: Front bumper	60-1	V31
Door edge	58-4	B93
Headrests, Strato-Ease: (Driver and passenger)		
With Strato-bucket seats	57-1	A81
With bench seat	57-2	A82
Heater & Defroster Deletion: Not available when air conditioning is ordered	54-4	C48
Horn, Tri-Volume	63-3	U03
Instrumentation, Special: Model 13680 only. Includes tachometer; ammeter; temperature and oil pressure gauges	49-2	U14
Lights:		
Ashtray	66-2	U28
Courtesy	66-4	U29
Glove compartment; models 13380 & 13580 only	66-1	U27
Underhood	65-4	U26
Mats, Floor: Color-keyed; (2) front	59-3	B37
Mirrors:		
LH outside remote control	45-2	D33
Paint, Exterior: Solid colors	....	...
Radiator, Heavy-Duty: Not available when air conditioning is ordered	36-2	V01
Radio:		
Pushbutton control; front antenna	46-3	U63
AM-FM pushbutton control; front antenna	46-5	U69
Roof Cover, Vinyl: Black	55-2	C08
Beige	55-6	C08
Seat Cushion, Extra-Thick Foam: Not available with bucket seats	62-2	B55
Seats, Strato-Bucket: Models 13580 & 13680 only	62-4	A51
Speed and Cruise Control: Available only on 8-cyl models with Powerglide transmission	43-4	K30
Speed Warning Indicator	43-2	U15
Steering, Power	33-1	N40
Steering Wheel: Sports-styled walnut-grained plastic rim	52-1	N34
Steering Wheel: Comfortilt; seven-position; available only when Powerglide or 4-speed transmission is ordered	52-2	N33
Steering Wheel: Deluxe; models 13380 & 13480 only	52-4	N30
Suspension, Special Front & Rear: Includes special front springs and 2700-lb-capacity rear springs	37-1	F40
Tachometer: Mounted on instrument panel (8-cyl models)	41-1	U16
Transmission: See Power Teams chart for availability		
Special 3-Speed fully synchronized (Floor Mounted)	29-6	M13
4-Speed	29-3	M20
4-Speed (Close-ratio)	29-5	M21
Overdrive (available with 6-cyl or standard 8-cyl engines only)	29-4	M10
Powerglide; 8-cyl models	29-1	M35
Powerglide; 6-cyl models	29-1	M35
Turbo Hydra-Matic (396 cu. in. engines only)	29-7	M40
Ventilation, Closed Engine Positive: Included when 325-hp 327-cu-in engine is ordered	40-1	K24
Wheel Covers: Four, bright metal. Not available when disc brakes are ordered	51-1	P01
Wheel Covers, Simulated Wire	51-2	P02
Wheel Covers, Mag-Style	51-3	N96
Windows, Power	58-1	A31

Engine, Transmission and Rear Axle Combinations

ENGINES		TRANSMISSION	REAR AXLE RATIOS★							
			Without Air Conditioning				With Air Conditioning			
Option	Description		Std	Optional			Std	Optional		
				Econ	Perf	Spec		Econ	Perf	Spec
Std on Models 133-13580	**140-hp Turbo-Thrift 230 6-Cylinder** 230-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro Special 3-Speed Full-Synchro Powerglide	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	3.70:1	—	—	—	3.70:1	—	—	—
L22 on Models 133-13580	**155-hp Turbo-Thrift 250 6-Cylinder** 250-cu-in displacement Single-barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro Special 3-Speed Full-Synchro	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Powerglide	3.36:1	3.08:1	3.55:1	3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	3.70:1	—	—	—	3.70:1	—	—	—
Std on Models 134-13680	**195-hp Turbo-Fire 283 8-Cylinder** 283-cu-in displacement 2-barrel carburetor 9.25:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro Special 3-Speed Full-Synchro 4-Speed Wide-Range Powerglide	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
		Overdrive	3.70:1	—	—	—	3.70:1	—	—	—
L30 on Models 134-13680	**275-hp Turbo-Jet 327 8-Cylinder** 327-cu-in displacement Regular camshaft 4-barrel carburetor 10.0:1 compression ratio Hydraulic valve lifters	Std 3-Speed Full-Synchro Special 3-Speed Full-Synchro 4-Speed Wide-Range Powerglide	3.08:1	—	3.36:1	3.55:1 or 3.70:1	3.36:1	—	3.55:1	3.70:1
L79 on Models 134-13680	**325-hp Turbo-Fire 327 8-Cylinder** 327-cu-in displacement High-lift camshaft 4-barrel carburetor 11.0:1 compression ratio Hydraulic valve lifters	Special 3-Speed Full-Synchro 4-Speed Wide-Range	3.31:1	3.07:1	3.55:1	3.73:1	3.31:1	—	3.55:1	3.73:1
		4-Speed Close-Ratio	3.31:1	3.07:1	3.55:1	3.73:1 4.10:1 4.56:1 4.88:1	3.31:1	—	3.55:1	3.73:1
L35 on Models 134-13680	**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 Full-Synchro 4-Speed Wide-Range	3.31:1	3.07:1	3.55:1	3.73:1 or 4.10:1	3.07:1	—	—	—
		Powerglide	3.07:1	2.73:1	3.31:1	3.55:1 3.73:1 4.10:1	3.07:1	—	—	—
		Turbo Hydra-Matic	2.73:1	—	3.07:1	3.31:1	3.07:1	—	—	—
L34 on Models 134-13680	**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	Special 3-Speed Full-Synchro 4-Speed Wide-Range	3.55:1	3.31:1	3.73:1	4.10:1	3.07:1	—	—	—
		Powerglide	3.31:1	3.07:1	3.55:1	3.73:1 or 4.10:1	3.07:1	—	—	—
		4-Speed Close-Ratio	3.55:1	3.31:1	3.73:1	3.07:1 4.10:1 4.56:1 4.88:1	3.07:1	—	—	—
		Turbo Hydra-Matic	3.07:1	2.73:1	3.31:1	—	3.07:1	—	—	—

★ All ratios available as positraction. *(4.10:1, 4.56:1 and 4.88:1 available as positraction only.)*

EL CAMINO

IMPORTANT

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

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

INVOICE INTERIOR TRIM IDENTIFICATION	
Black	761 763 766
Blue	727 729
Fawn	770
Gold	783 784
Red	750

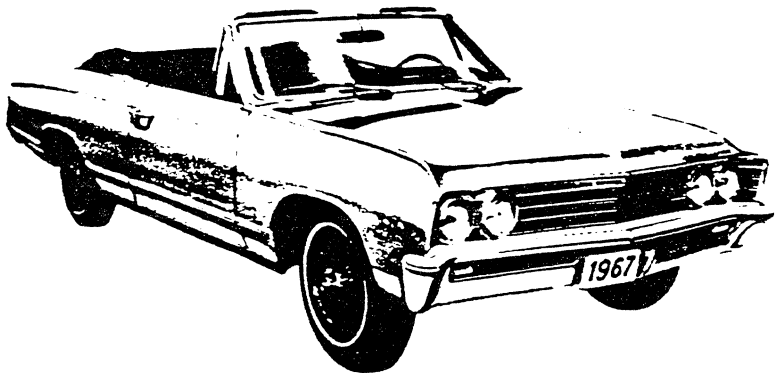
EXTERIOR SELECTION CHART

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

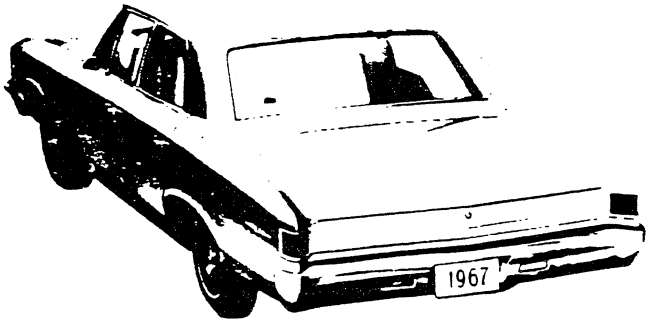
INTERIOR SELECTION CHART

TYPE OF SEAT	Material	Extra Cost	INTERIOR TRIM COLOR AVAILABILITY				
			Black	Blue	Fawn	Gold	Red
CUSTOM EL CAMINO							
Full-Width Bench	**Vinyl**	**No**	E	B		G	
Optional Strato-Bucket (RPO A51)	**Vinyl**	**Yes**	E			G	D
EL CAMINO							
Full-Width Bench	**Vinyl**	**No**	E	B	F		

GENERAL



MODEL IDENTIFICATION

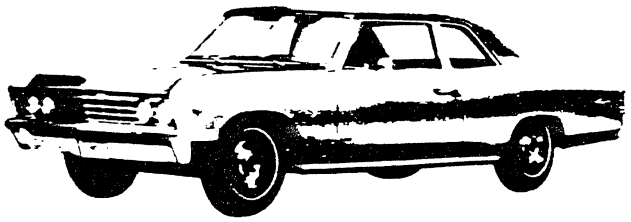


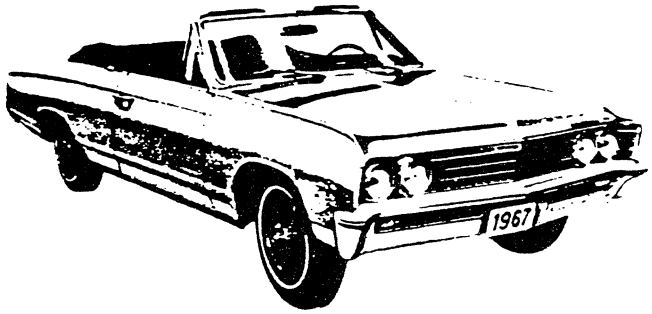
CHEVELLE 300 131-13200 SERIES

MODEL 131-13211 2-DOOR SEDAN, 6-PASSENGER
MODEL 131-13269 4-DOOR SEDAN, 6-PASSENGER

CHEVELLE 300 DELUXE 133-13400 SERIES

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



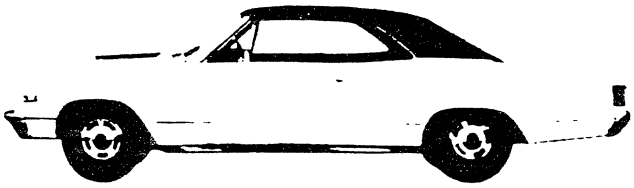


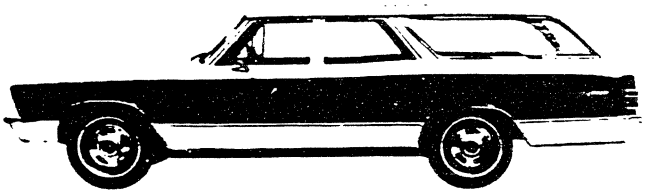
MALIBU 135-13600 SERIES

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

SUPER SPORT 396 13800 SERIES

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





CONCOURS 137-13800 SERIES

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

SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model	Model Year	Assembly Plant	Unit Number
	1967	(Atlanta)	(25th unit)
13369	7	A	100025

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

8-Cylinder Example:

Model	Model Year	Assembly Plant	Unit Number
	1967	(Atlanta)	(26th unit)
13469	7	A	100026

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

ASSEMBLY PLANTS

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

Starting unit number ---------- 100001 and up at each assembly plant

Location ---------- Stamped on plate attached to left front body hinge pillar

• TRANSMISSION IDENTIFICATION

Example: S7E01

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

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

Location:

3-Speed & 4-speed & overdrive ---------- Stamped on right hand side of the case in the upper forward corner.

4-Speed ---------- Stamped on the top right side of the case.

Powerglide ---------- Stamped on right hand side of the pan.

Turbo Hydra-Matic ---------- Name plate tag on right hand side of the case.

○ - Month: 5 denotes May; 01 denotes 1st day.

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

ENGINE IDENTIFICATION

Example: F 1210 AA

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

230 Cubic inch 6-cylinder

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

250 Cubic inch 6-cylinder (RPO L22)

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

283 Cubic inch 8-cylinder

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

327 Cubic inch 8-cylinder (RPO L30)

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

327 Cubic inch 8-cylinder (RPO L79)

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

396 Cubic inch 8-cylinder (RPO L35)

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

● 396 Cubic inch 8-cylinder (RPO L34)

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

Location:

6-cylinder ---------- Stamped on pad on right side of cylinder block to rear of distributor

8-cylinder ---------- Stamped on pad at front right side of cylinder block

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

REAR AXLE IDENTIFICATION

Example: CA 0212 B

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

CA ---------- 3.08 ---------- 3-speed, 4-speed, and Powerglide transmission

CV ---------- 3.70 ---------- Overdrive transmission

CZ ---------- 2.73 ---------- Turbo Hydra-Matic

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

* - Month: February, 02; 12th day of February, 12

¢ - G - Gear & Axle, B - Buffalo, W - Warren

REGULAR EQUIPMENT—EXTERIOR

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

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

REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO	/ACC	Models
Air conditioning, Comfort-Car		ACC	13000
Air conditioning, Four-Season	C60		13000
Air deflector, rear window	C51	ACC	13000 wgn
Air injection reactor equipment	K19		13000
Appearance Guard Group (items available as a group or as separate options)			
Custom deluxe front and rear seat belts (with front retractors)			13000 exc pickup
Custom deluxe front seat belts			133-134-135-13680
Door edge guards			13000 exc 137-13835
Front bumper guards			13000
Rear bumper guards			13000 exc wgn & pickup
Rubber twin front and rear floor mats			13000
Auxiliary Lighting Group (items available as a group or as separate options)			
Ash tray lamp			13000
Glove box lamp			131-132-133-13400
Instrument panel courtesy lamps			13000 exc conv
Luggage compartment lamp			13000 exc wgn & pickup
Underhood lamp			13000
Battery, heavy duty	T60		13000
Brake linings, sintered-metallic	J65		132-134-136-13800
Brakes, front wheel disc	J52		13000
Brakes, power	J50	ACC	13000
Carrier cover, roof luggage		ACC	13000 wgn
Carrier, deck lid luggage		ACC	13000 exc wgn & pickup
Carrier, roof luggage	V55	ACC	13000 wgn
Carrier, ski equipment (deck lid)		ACC	13000 exc wgn & pickup
Carrier, ski equipment (roof luggage carrier)		ACC	13000 wgn
Carrier, ski equipment (roof clamp-on type)		ACC	13000 exc conv
Clock, electric	U35	ACC	131-132-133-13400
Clutch, heavy duty	M01		13000 exc 13817-67
Compass, auto		ACC	13000
Console, front compartment	D55		135-13617-67-80, 13817-67
Cruise Control	K30	ACC	132-134-136-13800
Deflectors, rain		ACC	13000 4-door
Defroster, rear window	C50	ACC	13000 exc conv, wgn & pickup
Emergency road kit		ACC	13000
Engines			
155 hp Turbo-Thrift 250 cu.in. L-6	L22		131-133-135-13700
275 hp Turbo-Fire 327 cu.in. V-8	L30		132-134-13600, 13835
325 hp Turbo-Fire 327 cu.in. V-8	L79		13000 exc 13817-67
325 hp Turbo-Jet 396 cu.in. V-8	L35		134-13680
350 hp Turbo-Jet 396 cu.in. V-8	L34		134-13680, 13817-67
Engine ventilation, closed positive	K24		13000
Exhaust system, dual	N10		132-134-13600, 13835
Fan, temperature controlled	K02	ACC	132-134-136-13800
Fire extinguisher		ACC	13000
Floor mats, clear vinyl twin front and rear		ACC	13000
Floor mats, rubber twin front and rear	B37	ACC	13000
Generator, Delcotron (12-42 amp)	K79		13000
Generator, Delcotron (61 amp)	K76		13000
Glass, tinted window	A01		13000
Glass, tinted windshield	A02		13000
Guards, door edge	B93	ACC	13000 exc 137-13835
Guards, front bumper	V31	ACC	13000
Guards, rear bumper	V32	ACC	13000 exc wgn & pickup

Equipment	RPO	/ACC	Models
Headrest, conventional type front seat	A82		13000
Headrest, Strato-ease special contour front seat	A81		135-13617-67-80, 13817-67
Heater-defroster deletion	C48		13000
Horn, low "D" note	U03	ACC	133-134-135-136-137-13800
Instrument panel gauges	U14		13617-67-80, 13817-67
Lamp, ash tray	U28	ACC	13000
Lamp, glove box	U27	ACC	131-132-133-13400
Lamp, luggage compartment	U25	ACC	13000 exc wgn & pickup
Lamps, instrument panel courtesy	U29	ACC	13000 exc conv
Lamp, underhood	U26	ACC	13000
Litter container, instrument panel mounted		ACC	13000
Litter container, saddle type		ACC	13000
Lock, gas filler cap		ACC	13000
Lock, spare wheel		ACC	13000
Locks, rear door safety		ACC	13000 4-door
Mirror, remote control outside rear view	D33		13000
Mirror, visor vanity		ACC	13000
Molding, door and window frame	B90		13000 4-door sed & wgn
Operating Convenience Group (items available as a group or as separate options)			
Rear window defroster			13000 exc conv, wgn & pickup
Remote control outside rear view mirror			13000
Paint stripe, wide side	D96		13817-67
Radiator, heavy duty	V01		13000
Radio and front antenna, manual AM		ACC	13000
Radio and front antenna, push-button AM	U63	ACC	13000
Radio and front antenna, push-button AM-FM	U69	ACC	13000
Radio antenna, front fixed height		ACC	13000
Radio antenna, front manual		ACC	13000
Radio antenna, rear manual	U73	ACC	13000 exc wgn & pickup
Foundation Group (items available as a group or as separate options)			
Deluxe foam front seat cushion			131-132-133-13400
Electric clock			131-132-133-13400
Push-button AM radio with front antenna			13000
Radio speaker, rear seat	U80	ACC	13000 exc pickup
Radio stereo		ACC	13000
Rear Axle			
2.73 ratio	G97		134-13680, 13817-67
3.07 ratio	H01		132-134-136-13800
3.08 ratio	G92		131-133-135-13700
3.31 ratio	G94		132-134-136-13800
3.36 ratio	G76		13000 exc 13817-67
3.55 ratio	G96		13000
3.70 ratio	G75		13000 exc 13817-67
3.73 ratio	H05		132-134-136-13800
Positraction	G80		13000
Roof cover, vinyl	C08		133-13480, 135-13617-39-80, 13817
Seat belt, rear center - used with custom deluxe seat belts	AL5		13000 exc pickup, conv & sport coupe
Seat belt, rear center - used with standard seat belts	A68		13000 exc pickup, conv & sport coupe
Seat belts, custom deluxe front and rear (with front retractors)	A39		13000 exc pickup
Seat belts, custom deluxe front (with retractors)	A49		133-134-135-13680
Seat cushion, deluxe foam front	B55		131-132-133-13400

REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

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

AIR CONDITIONING EQUIPMENT

FOUR SEASON (RPO C60)

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

BASIC COMPONENTS

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

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

CHASSIS

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

POWER TRAINS

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

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

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

DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS

FRONT COMPARTMENT

CODE	DESCRIPTION	SEDANS 2-DR	SEDANS 4-DR	SPORT SEDANS	SPORT COUPES	CONVERT-IBLES	STATION WAGONS	SEDAN PICKUP
H3	Seat cushion height				10.9			
H11	Entrance height	29.7		30.3	29.8			29.7
H13	Steering wheel thigh clearance				3.9			
H30	H point to heel point	8.2		7.7	8.2			
H32	Seat cushion deflection	4.2			4.4			4.2
H50	Upper body opening to ground	49.0		49.6	49.2		49.7	
H58	H point rise				.6			
H61	Effective headroom	38.5		38.6	37.7		38.2	
H70	H point to body O line				13.9			
H75	Effective headroom	38.8			37.9		38.5	
W3	Shoulder room				58.8			
W5	Hip room				59.9			
L7	Steering wheel torso clearance				11.2			
L17	H point travel				4.0			
L34	Effective leg room				41.9			

REAR COMPARTMENT

H8	Seat cushion height	13.2		13.0	12.8		13.2	
H12	Entrance height	---	29.3	29.8	---	---	29.6	
H31	H point to heel point	10.8		10.5	10.2		10.8	
H33	Seat cushion deflection	4.4			4.8		4.4	
H51	Upper body opening to ground	---	48.7	49.2	---	---	49.6	
H63	Effective headroom	37.3		37.2	36.3	36.5	38.4	
H71	H point to body O line	14.0			13.7		14.0	
H76	Effective headroom	37.4		37.3	36.3	36.5	38.7	
W4	Shoulder room	57.4	58.7		57.0	45.6	58.8	
W6	Hip room	58.7	59.9		58.6	48.6	59.9	
L3	Rear compartment room	27.0			25.2	24.9	27.2	
L50	H point couple distance	33.7			31.5		33.7	
L51	Effective leg room	35.8	36.0	35.7	33.1		36.0	

LUGGAGE COMPARTMENT

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

STATION WAGON CARGO SPACE

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

LENGTHS

CODE	DESCRIPTION	SEDANS 2-DR	SEDANS 4-DR	SPORT SEDANS	SPORT COUPES	CONVERTIBLES	STATION WAGONS	SEDAN PICKUP
L101	Wheelbase			115.0				
L102	Tire size (standard)			7.35 x 14 (A)			7.75 x 14	
L103	Overall length			197.0			199.9	
L104	Overhang - front			31.9				
L105	Overhang - rear			50.1			53.0	
----	Overall length - less bumpers			193.6			196.0	
L127	Body O line to C/L of rear wheels			100.0				
L128	Hood length at centerline			57.0				

WIDTHS

W101	Tread - front			58.0				
W102	Tread - rear			58.0				
W103	Maximum overall width of car			75.0				
W106	Front fender overall width			73.8				
W107	Rear fender overall width			74.5				
● W120	Overall car width, front doors open	152.0	134.7		152.0		134.7	152.2
● W121	Overall car width, rear doors open	---	134.4		---	---	134.4	---

HEIGHTS

H101	Overall height (design)		53.0		51.9	52.8	54.6	
----	Overall height (curb)		54.1		53.2	53.9	56.7	
H102	Front bumper to ground		13.0		12.9		13.9	
H104	Rear bumper to ground		11.0				10.5	—
H111	Rocker panel to ground - rear		7.2		7.0		9.2	
H112	Rocker panel to ground - front		8.3		8.0		9.6	
H114	Hood at rear to ground		36.6				37.7	
H115	Step height - front (design)		12.4		12.1		13.7	
● H116	Step height - rear (design)	---	11.9		---	---	13.6	---
H125	Headlamp to ground		25.7		26.0	26.2	26.4	
H126	Tail lamp to ground		23.8		24.2		26.7	
H130	Step height - front (curb)		14.4		14.2		15.5	
● H131	Step height - rear (curb)	---	14.3		---	---	15.1	---
H136	Body O line to ground - front		5.2		5.0		6.0	
H137	Body O line to ground - rear		4.1				6.1	

CLEARANCES

H106	Angle of approach (degrees)			28				
H107	Angle of departure (degrees)			14			13	
H147	Ramp breakover angle (degrees)			12			14	
H148	Front suspension to ground			9.5		9.2	10.0	
H149	Oil pan to ground	6.6		6.5		6.1	7.1	
H150	Flywheel housing to ground	6.1		6.0		5.7	6.7	
H151	Frame to ground			6.0		5.7	7.3	
H152	Exhaust system to ground			5.0			6.5	
H153	Rear axle to ground			6.8			7.1	
H154	Fuel tank to ground			6.6			8.5	
● H155	Tire well to ground			Located over rear axle			8.8	rr. seat
H156	Minimum ground clearance			5.0 (H152)			6.7 (H130)	

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

VEHICLE WEIGHTS

CHEVELLE 300

VEHICLE TYPE		SHIPPING WEIGHT			CURB WEIGHT		
Model	Description	Front	Rear	Total	Front	Rear	Total
13111	2-Door Sedan 6-cylinder	1640	1295	2935	1645	1440	3085
13211	2-Door Sedan 8-cylinder	1750	1320	3070	1750	1470	3220
13169	4-Door Sedan 6-cylinder	1655	1300	2955	1655	1450	3105
13269	4-Door Sedan 8-cylinder	1760	1330	3090	1760	1480	3240

CHEVELLE 300 DELUXE

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

MALIBU

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

MALIBU SUPER SPORT

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

EL CAMINO

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

CONCOURS

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

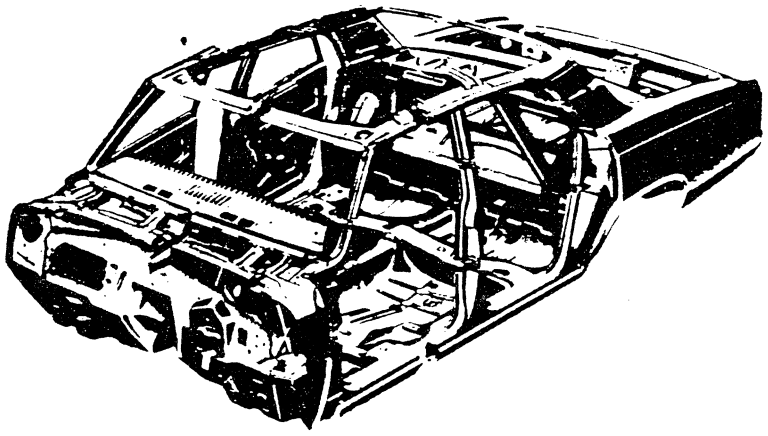
SHIPPING WEIGHT: Weight of basic vehicle with regular equipment and grease and oil. Weight of gasoline and water not included.

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

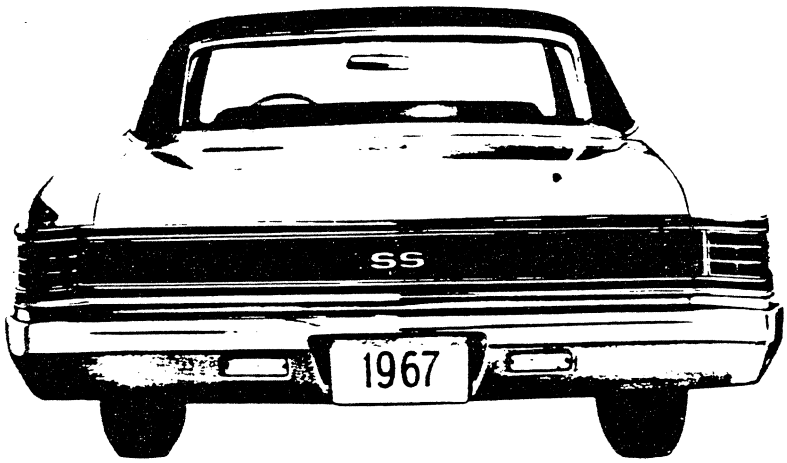
For total shipping, and curb, weights of vehicles equipped with the following options, add to, or deduct from, the base vehicle weight (lbs).

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

BODY



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.

CHEVELLE 300 131-13200 SERIES

CHEVELLE 300 DELUXE 133-13400 SERIES

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

(a) Vinyl bench seat

EL CAMINO 133—13400 SERIES

DELUXE EL CAMINO 135—13600 SERIES

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

MALIBU & SS 396 SERIES

CONCOURS STATION WAGON

		INTERIOR TRIM COLORS AND RPO NUMBERS						
		Gold	Blue	Black	Turq.	Maroon	Red	Bright Blue
		Models 13617-39-69						
		782	728	759	775	746	---	---
		Models 13635-67-13835						
		783	729(c)	761(b,c)	776	---	747(b)	723(b,a)
EXTERIOR		Models 13817-67						
RPO	COLOR	783	729	761	776	---	747	723
AA	Black	X	X	X	X	X	X	X
CC	White	X	X	X	X	X	X	X
DD	Medium Blue		X	X				
EE	Dark Blue		X	X				
FF	Bright Blue		X	X				X
GG	Gold	X		X				
HH	Medium Green			X				
KK	Medium Turquoise			X	X			
LL	Dark Turquoise			X	X			
MM	Plum			X				
NN	Maroon	X		X		X	X	
RR	Red			X			X	
SS	Fawn	X		X				
TT	Cream	X		X				
YY	Yellow			X	X			
	Two-Tone (Lower/Upper) (d)							
CD	White/Medium Blue		X					
DC	Medium Blue/White		X					
DE	Medium Blue/Dark Blue		X					
ED	Dark Blue/Medium Blue		X					
GT	Gold/Cream	X		X				
LC	Dark Turquoise/White				X			
ST	Fawn/Cream	X		X				

(a) Not available for 13635-13835
(b) Also available for 13617
(c) Also available for 13639
(d) Not available for Concours Station Wagon

Convertible top: White (Regular Production) black or medium blue (RPO C05) with any exterior color.
Vinyl top option (RPO C08): Black or Lt. Fawn with any exterior color.

MALIBU AND SUPER SPORT 396 BUCKET SEAT OPTION

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

(a) Not available for 13617-67

MALIBU SPORT SEDAN

LUXURY TRIM OPTION

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

BODY CONSTRUCTION AND GLASS AREA

GENERAL

Type ---------- 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 fender skirts

DOORS AND LOCKS

Door construction ---------- Double steel panels, hinged at front

Door handles ---------- Push-button with fork type door locks. Inside push-button locks and 2-position free-wheeling inside door handles on all doors

Door ventipanes ---------- Friction pivot

HOOD AND TRUNK LID

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

VENTILATION

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

SEAT CONSTRUCTION

Type ---- Front seat cushion

1.25 poly foam -------- 131-132-133-13400

1.75 poly foam ---------- 135-13600

1.50 poly foam ---------- 137-13800

Rear seat cushion

Jute and cotton ------- 131-132-133-13400

1.00 poly foam ------- 135-136-137-13800

WINDSHIELD WIPERS

Type ---------- Dual 2-speed electric

Linkage ---------- Parallel acting

SPARE TIRE MOUNT

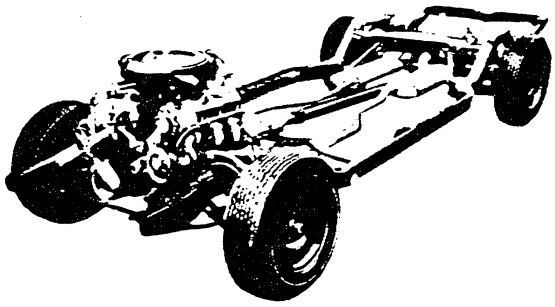
Location ---------- Sedans and Sport Coupe, horizontal, RH side of trunk floor; Station wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored under tire

BODY GLASS

		MODELS						
LOCATION	TYPE	11	39	69	17	67	35	80
Windshield		1107.1			1144.2		1107.1	
Front Door	Ventipane	114.0	93.2	114.0	109.0		114.0	
	Window	819.6	673.2	534.6	796.6	796.6	534.6	725.2
Rear Door	Window		666.4	629.4			675.0	
Rear Quarter	Window	420.0			366.6	303.0		
	Rear Side						1175.0	
Back Window		935.1	812.8	935.1	728.9	833.8	768.4	665.2
Total Visibility (Sq.In.)		3395.8	3352.7	3320.2	3145.3	3186.6	4374.1	2611.5

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

CHASSIS



FRAME AND FRONT SUSPENSION

FRAME

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

Wheel travel (design)

Total ---------- 8.57

Jounce ---------- 4.65

Rebound ---------- 3.92

Wheel to spring, travel ratio ---------- 1.65:1

FRONT SUSPENSION

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

CONTROL ARMS

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

STEERING KNUCKLES

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

Spindle diameters

Inner bearing ---------- 1.2493-1.2498

Outer bearing ---------- .7493-.7448

Spindle thread size --------- 3/4-20 NEF-3 (modified)

Wheel bearing

Type ---------- Taper roller

Number ---------- Two per spindle

SPHERICAL JOINTS

Type --------- Ball studs, upper self-adjusting for wear

Bearing surfaces

Upper ---------- Two bearings, both non-metallic; teflon-coated phenolic.

Lower ---------- One upper surface, teflon-cotton composition

SHOCK ABSORBERS

Type ---------- Direct, double-acting, hydraulic

Piston diameter ---------- 1.00

STABILIZER BAR

Type ---------- Link

Material ---------- HR steel

Diameter ---------- .812; 396 V-8, .937

FRONT WHEEL ALIGNMENT (CURB)

Camber (degrees) ---------- 0 to P1

Caster (degrees) ---------- Except SS 396 and El Camino, N1-1/2 to N1/2; SS 396 and El Camino, N1 to 0

Toe-in (total) ---------- 1/8 to 1/4

SAI (degrees) ---------- 7-3/4 to 8-3/4

GENERAL SUSPENSION PROVISIONS

Car leveling ---------- Front stabilizer bar

Anti-dive control ----- Angle of front upper control arm

Anti-squat control --------- Rear suspension geometry

FRONT SPRINGS

Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Inside Dia.	Heights		Deflection rate (lbs per inch)	
							Free	working (In. @ lbs)	@ Spring	@ Wheel
3895808	A	Coil, right hand helix	AISI A-5160	120.8	.574	3.63	17.4	12.59@1210	250	99
3895811	B			134.6	.594	3.63	17.9	12.59@1350	250	99
3895810	C			134.6	.594	3.63	17.8	12.59@1310	250	99
3881624	D			134.6	.594	3.63	18.2	12.59@1400	250	99
3895809	E			120.8	.574	3.63	17.6	12.59@1260	250	99
3850967	F			135.8	.637	3.63	17.5	12.59@1575	320	120
3856589	G			135.8	.637	3.63	17.3	12.59@1515	320	120
3866286	H			134.6	.594	3.63	18.5	12.59@1480	250	99
3866570	I			135.9	.637	3.63	18.0	12.59@1730	320	120

Engine	230 & 250 Cu. In. L-6													283 Cu. In. V-8																		
Models	13100		13300				13300							13700	13200		13400				13600								13800			
	11	69	11	35	69	80	35	17	39	67	69	80	35		11	69	11	69	35	80	69	39	17	67	35	80	17	67	35			
Ref.	A	A	A	A	A	C	A	E	E	A	E	C	A		B	B	B	D	E	H	D	B	D	B	D	H			D			

327 Cu. In. V-8 Engine														
C	B	C	B	D	H	B	D	B	D	D	H			D

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

STEERING, DRIVELINE, WHEELS AND TIRES

MANUAL STEERING (Standard)

Description ---------- Semi-reversible, recirculating ball nut gear; and a collapsible steering column for safety. Tilt steering wheel optional.
Ratios ---------- Gear, 24:1; overall, 28:1
Turning diameters (ft)
- Outside front, wall to wall ---------- 43.1
- Outside front, curb to curb ---------- 40.3
- Inside rear, wall to wall ---------- 24.1
- Inside rear, curb to curb ---------- 24.7

Number of wheel turns, lock to lock ---------- 5.48
Outside wheel angle with inside wheel
- @ 14.81 degrees ---------- 14.06
- @ 20.00 degrees ---------- 18.41
- @ 33.73 degrees (limit of turn) ---------- 31.15

Linkage ---------- Parallelogram, front of wheels, 2 tie rods
Steering wheel
- Standard and optional tilt wheel ---------- Deep dished, 16.5 diameter

POWER STEERING, RPO N40

(Same as standard Manual Steering except as shown)
Type ---------- Integral gear, with vane type pump driven by crankshaft pulley providing hydraulic pressure
Ratio ---------- Gear, 17.5:1; overall, 20.4:1
Number of wheel turns, lock to lock ---------- 3.98

DRIVELINE

Type ---------- Tubular, exposed
Number used ---------- One
Diameter (O.D.) ---------- 3.25
Length (C/L of U-joints) ---------- 60.13
Wall thickness ---------- .065
Universal joints
- Type ---------- Cross
- Number used ---------- Two
- Bearings ---------- Prepack, anti-friction

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

WHEELS

Type ---------- Short spoke spider
Attachment to hub ------ 5 hex nuts, 7/16-20 UNF 2-B, arranged on a 4.75 diameter bolt circle
● Rim size ---------- 14 x 5J; SS 396 14 x 6JK
Offset ---------- 1.00

TIRES

Construction ---------- 2 ply
Rating ---------- 4 ply
Size
- Sedan, coupe & convertible ---------- 7.35-14
- Wagon & pickup ---------- 7.75-14
- SS 396 ---------- F70-14

TIRE SPECIFICATIONS

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

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

REAR AXLE AND SUSPENSION

REAR AXLE

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

Pinion offset ---------- (Vert) 1.50

Hypoid gear PD

3.08, 3.36, 3.70 ---------- 8.125

3.07, 3.31, 2.73, 3.55 ---------- 8.875

Pinion bearing adjustment ---------- Shim

Lubricant

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

Viscosity ---------- SAE 80

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

8.875 hypoid gear ---------- 4.0

Ratios (standard production)

230 L-6

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

Overdrive ---------- 3.70

Powerglide, sedan & coupe ---------- 3.08

250 L-6

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

Overdrive ---------- 3.70

Powerglide, wagons & pickups ---------- 3.36

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

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

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

327 V-8 (RPO L79)

3 & 4-speed ---------- 3.31

396 V-8 (RPO L35)

3 & 4-speed ---------- 3.31

Powerglide ---------- 3.07

Turbo Hydra-Matic ---------- 2.73

396 V-8 (RPO L34)

3 & 4-speed ---------- 3.55

Powerglide ---------- 3.31

Turbo Hydra-Matic ---------- 3.07

AXLE SHAFT

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

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

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

HYPOID AND PINION GEAR TOOTH COMBINATIONS

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

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

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

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

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

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

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

POSITRACTION DIFFERENTIAL (see Power Trains)

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

REAR SUSPENSION

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

Wheel travel (design)

Total ---------- 9.72

Jounce ---------- 2.88

Rebound ---------- 6.84

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

SHOCK ABSORBERS

Type ---------- Direct, double-acting, hydraulic

Piston diameter ---------- 1.00

REAR SPRINGS

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

ENGINE	230 and 250 Cu.In. L-6													283 Cu.In. V-8															
MODELS	13100		13300				13500							13700	13200		13400			13600							13800		
	11	69	11	35	69	80	35	17	39	67	69	80	39	35	11	69	11	69	35	80	69	39	17	67	35	80	17	67	35
REF.	A	A	A	F	A	G	F	A	B	A	B	G	B	F	B	B	B	B	F	G	B	A	A	A	F	G	E	D	F

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

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

SERVICE BRAKES (Standard)

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

PARKING BRAKE

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

POWER BRAKES (RPO J50) (Same as standard production SERVICE BRAKES except as follows)

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

SERVICE BRAKES, METALLIC (RPO J65)

(Same as standard production SERVICE BRAKES except as follows)

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

FRONT DISC BRAKES (RPO J52)

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

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

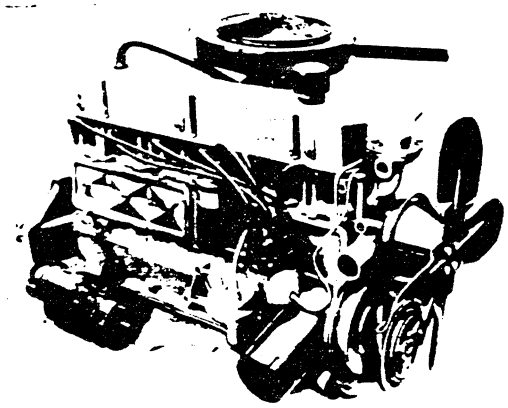
BULBS AND LAMPS

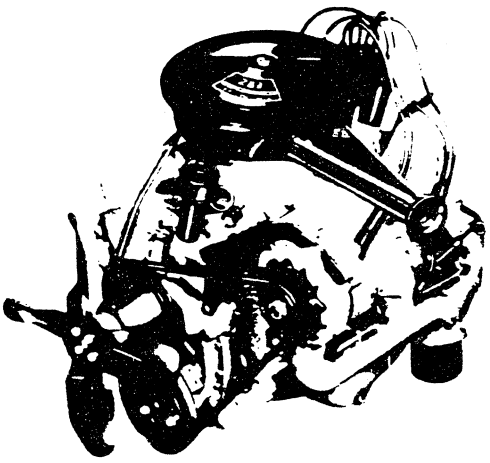
BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray	1-1445	.7
Automatic transmission position pattern	Column shift	See Instru. cluster
	Floor console, 1-1895	2
Back-up	2-1156	32
Brake warning	1-1895	2
Clock (with tachometer option)	1-1895	2
Courtesy		
Instrument panel	2-631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

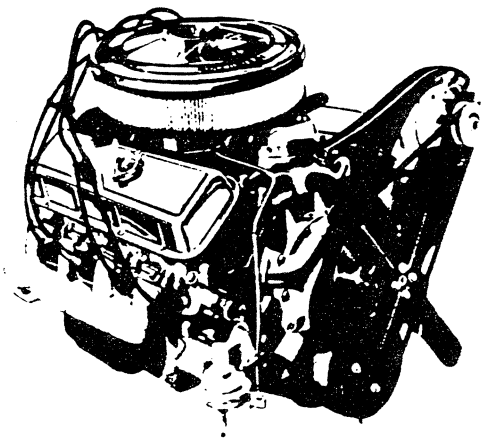
CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	AGC 25 fuse	In line
	AGC 25 fuse	Fuse panel (g)
Ash tray lamp	AGC 4 fuse	Fuse panel (c)
Auto. trans. position pattern lamp	AGC 4 fuse	Fuse panel (c)
Back-up lamps	AGC 10 fuse	Fuse panel (d)
Cigarette lighter	AGC 20 fuse	Fuse panel (b)
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 10 fuse	Fuse panel (d)
Direction signal indicator lamps	AGC 4 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 25 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 15 fuse	In line
Brake warning lamp	AGC 10 fuse	Fuse panel (d)
Parking lamps	15 amp CB	Light switch
Power seats	40 amp CB	Hinge pillar
Power windows	40 amp CB	Hinge pillar
Radio and radio lamp	AGC 20 fuse	Fuse panel (e)
Speed warning device	SAE 20 fuse	Fuse panel (b)
Spot lamp — Inside operated	AGC 20 fuse	In line
Spot lamp — Portable	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 4 fuse	In line
Windshield wiper, two-speed	SAE 20 fuse	Fuse panel (f)
	14 amp CB	Switch

* Letter suffix indicates same circuit

POWER TRAINS







POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS* (Axle ratios for Air Conditioning same as base unless indicated otherwise)								
			2.73:1	3.07:1	3.08:1	3.31:1	3.36:1	3.55:1	3.70:1	3.73:1	4.10:1
230 Cubic Inch L-6 Turbo-Thrift 230 (A) 140 HP Standard	3-Spd (2.85:1 low) & H.D. 3-Spd (2.86:1 low)	All Models			Econ.		Std.	Perf.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		
	Overdrive	All Models							Std.		
	Powerglide	Sedans & Coupes	(a)		Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		
		Sta. Wagons & Pickups			Econ.		Std.	Perf.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		
250 Cubic Inch L-6 Turbo-Thrift 250 (A) 155 HP RPO L22	3-Spd (2.85:1 low) & H.D. 3-Spd (2.86:1 low)	All Models			Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		
	Overdrive	All Models							Std.		
	Powerglide	Sedans & Coupes			Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		
		Sta. Wagons & Pickups			Econ.		Std.	Perf.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		
283 Cubic Inch V-8 Turbo-Fire 283 (A) 195 HP Standard	3-Spd (2.85:1 low) & H.D. 3-Spd (2.86:1 low) & 4-Spd (3.11:1 low) & Powerglide	All Models			Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		—
	Overdrive	All Models							Std.		
327 Cubic Inch V-8 Turbo-Fire 327 (A) 275 HP RPO L30	3-Spd (2.54:1 low) & H.D. 3-Spd (2.41:1 low) & 4-Spd (2.54:1 low) & Powerglide	All Models			Std.		Perf.	Spcl.	Spcl.		
		With Air Conditioning					Std.	Perf.	Spcl.		
327 Cubic Inch V-8 Turbo-Fire 327 (A) 325 HP RPO L79	H.D. 3-Spd (2.41:1 low) & 4-Spd (2.52:1 low)	All Models		Econ.		Std.		Perf.		Spcl.	
		With Air Conditioning				Std.		Perf.		Spcl.	
	4-Spd (2.20:1 low)	All Models		Econ.		Std.		Perf.		Spcl.	Spcl.#
		With Air Conditioning				Std.		Perf.		Spcl.	
396 Cubic Inch V-8 Turbo-Jet 396 (B) 325 HP Standard	H.D. 3-Spd (2.41:1 low) & 4-Spd (2.52:1 low)	All Models		Econ.		Std.		Perf.		Spcl.	Spcl.
		With Air Conditioning		Std.							
	Powerglide	All Models	Econ.	Std.		Perf.		Spcl.		Spcl.	Spcl.
		With Air Conditioning		Std.							
	Turbo Hydra-Matic	All Models	Std.	Perf.		Spcl.					
		With Air Conditioning		Std.							
396 Cubic Inch V-8 Turbo-Jet 396 (B) 350 HP RPO L34	H.D. 3-Spd (2.41:1 low) & 4-Spd (2.52:1 low)	All Models				Econ.		Std.		Perf.	Spcl.
		With Air Conditioning		Std.							
	4-Spd (2.20:1 low)	All Models		Spcl.		Econ.		Std.		Perf.	Spcl.#
		With Air Conditioning		Std.							
	Powerglide	All Models		Econ.		Std.		Perf.		Spcl.	Spcl.
		With Air Conditioning		Std.							
	Turbo Hydra-Matic	All Models	Econ.	Std.		Perf.					
		With Air Conditioning		Std.							

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

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

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

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

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
140 HP L-6 Turbo-Thrift	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
155 HP L-6 Turbo-Thrift	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
195 HP V-8 Turbo-Fire	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
275 HP V-8 Turbo-Fire	Powerglide	Drive	11.40:1 - 3.08:1	3.08:1
		Low & Reverse	11.40:1 - 5.42:1	
325 HP V-8 Turbo-Jet	Powerglide	Drive	11.36:1 - 3.07:1	3.07:1
		Low & Reverse	11.36:1 - 5.40:1	
325 HP V-8 Turbo-Jet	Turbo Hydra-Matic	Drive	13.81:1 - 2.73:1	2.73:1
		Low	13.81:1 - 6.77:1	
		Second	13.81:1 - 4.04:1	
		Reverse	11.58:1 - 5.68:1	
350 HP V-8 Turbo-Jet	Powerglide	Drive	12.24:1 - 3.31:1	3.31:1
		Low & Reverse	12.24:1 - 5.83:1	
350 HP V-8 Turbo-Jet	Turbo Hydra-Matic	Drive	15.53:1 - 3.07:1	3.07:1
		Low	15.53:1 - 7.61:1	
		Second	15.53:1 - 4.54:1	
		Reverse	13.02:1 - 6.39:1	

* Axle ratio x transmission ratio.

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type		L6-OHV		V8-OHV				
Piston Displacement (Cu.In.)		230	250	283	327		396	
Availability		Base	RPO L22	Base	RPO L30	RPO L79	Base**	RPO L34
Number of Cylinders		Six		Eight				
Bore (nominal)		3.875		4.00			4.094	
Stroke (nominal)		3.25	3.53	3.00	3.25		3.76	
Compression Ratio		8.5:1		9.25:1	10.0:1	11.0:1	10.25:1	
Taxable (SAE) Horsepower		36.0		48.0	51.2		53.6	
Firing Order		1-5-3-6-2-4		1-8-4-3-6-5-7-2				
Idling Speed	Synchromesh (in neutral)	500				700	500	550
	Pwr/Gld and/or Hydra-Matic* (in drive)	500				NA	500	550
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	32.67	34.96	30.14	30.64		32.59	
	Top of air cleaner to bottom of oil pan	26.67	26.67	28.74	29.96		29.73	
	Width - including generator	28.37		28.92	28.92		30.71	

* Turbo Hydra-Matic available with V8-396 only.
** Optional (RPO L35) on Sedan Pickups.

ADVERTISED ENGINE RATING

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

* Optional (RPO L35) on Sedan Pickups.

ENGINE SPEED AND PISTON TRAVEL

230 CUBIC INCH SIX CYLINDER ENGINE

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

(a) 3.36:1 on Station Wagons & Sedan Pickups. (b) 7.75 x 14 standard on Station Wagons.

250 CUBIC INCH SIX CYLINDER ENGINE

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

(a) 3.36:1 on Station Wagons & Sedan Pickups. (b) 7.75 x 14 standard on Station Wagons.

283 CUBIC INCH V-8 ENGINE

Transmission		3-Speed	Heavy Duty 3-Speed	3-Speed with Overdrive		4-Speed	Powerglide
				Locked Out	Locked In		
Rear Axle Ratio		3.08:1		3.70:1		3.08:1	
Tire Size		7.35 x 14 (a)					
Crankshaft Revolutions per Mile		2436.3		2926.7	2048.7	2436.3	
Crankshaft RPM@1 MPH	Low	115.7	116.1	139.0	97.3	126.3	73.9
	Second	68.2	69.8	81.9	57.3	89.3	
	Third	40.6	40.6	48.8	34.1	59.7	40.6 (direct)
	Fourth					40.6	
	Reverse	119.8	116.1	143.9	100.7	126.3	73.9
Piston Travel (ft/mile)		1218.1		1463.4	1024.3	1218.1	

(a) 7.75 x 14 standard on Station Wagons.

327 CUBIC INCH V-8 ENGINE

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

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

396 CUBIC INCH V-8 ENGINE

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

(a) Standard on SS 396, Optional on Sedan Pickups (RPO L35). (b) 7.75 x 14 standard on Sedan Pickups.

VEHICLE PERFORMANCE FACTORS

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

3-SPEED TRANSMISSION

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

3-SPEED TRANSMISSION WITH OVERDRIVE

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

4-SPEED TRANSMISSION

Performance Weight (pounds)		3866	3896	4156	4156		3551
Pounds per Gross Horsepower		19.83	14.17	12.86	11.87		16.64
Pounds per Cu.In. Displacement		13.66	11.91	10.50	10.50		12.55
Gross HP per Cu.In. Displacement		.689	.841	.821	.884		.689
Power Displacement (cu.ft./mile)		199.50	230.52	300.00	321.76		199.50
Displacement Factor (cu.ft./ton mile)		103.21	118.33	133.84	145.84		112.39

TURBO HYDRA-MATIC

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

POWERGLIDE*

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

* Data computed assuming zero slippage in torque converter.

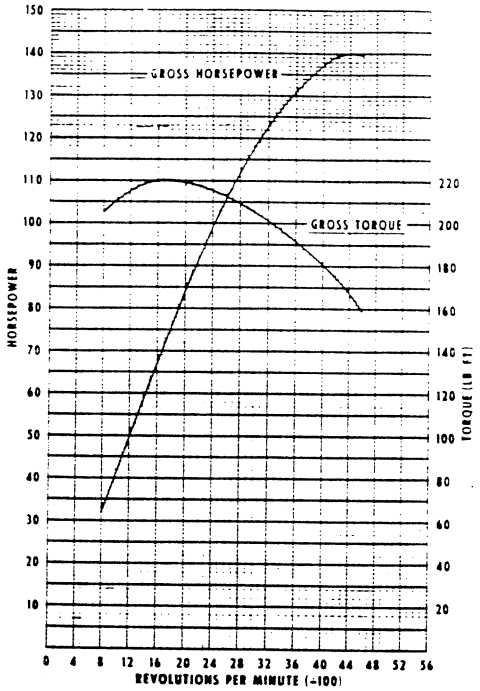
GLOSSARY

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

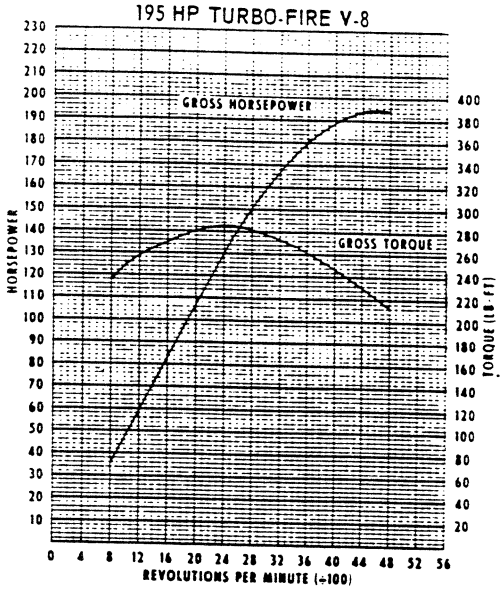
* Models 13380 & 13480 two passengers, 300 lbs.

ENGINE OUTPUT CURVES

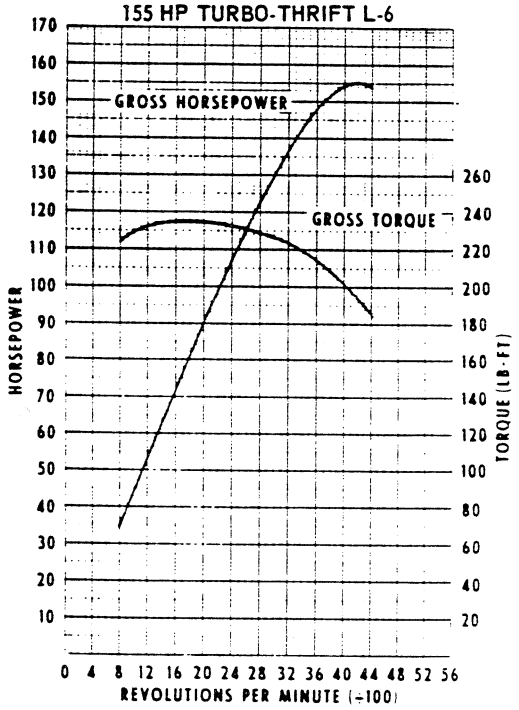
140 HP TURBO-THRIFT L-6



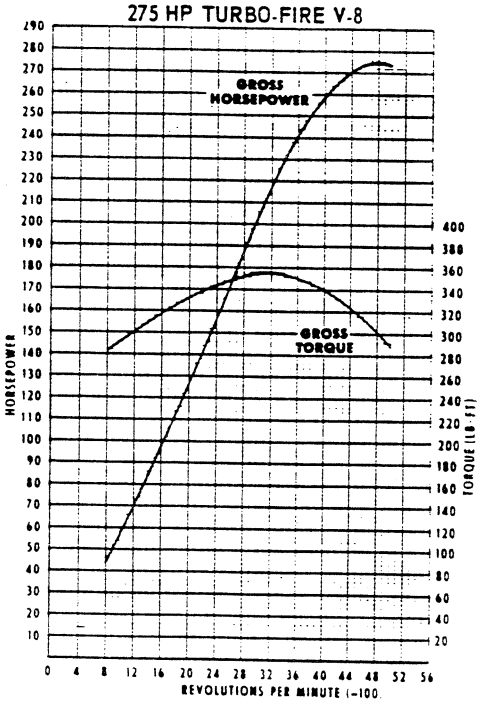
195 HP TURBO-FIRE V-8



155 HP TURBO-THRIFT L-6



275 HP TURBO-FIRE V-8



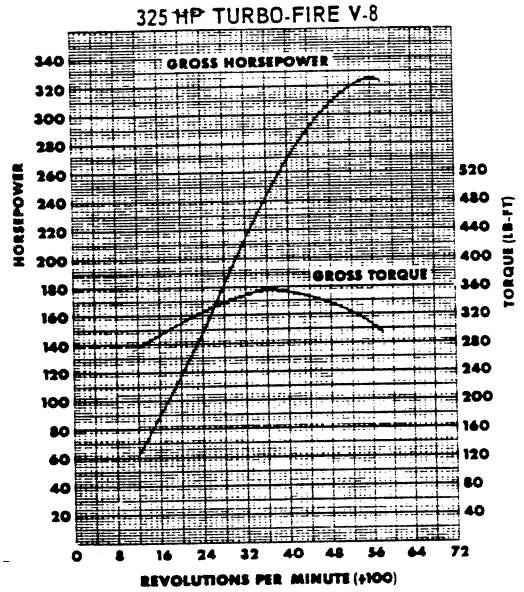
The engine output curves represent full throttle performance as obtained from dynamometer test data corrected to standard barometric pressure 29.92 inches of mercury and standard temperature of 60 degrees F.

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.

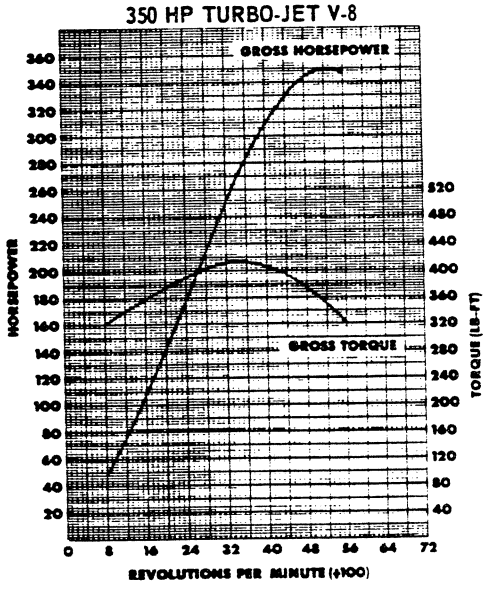
NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle, except the generator is not charging.

ENGINE OUTPUT CURVES—Cont'd.

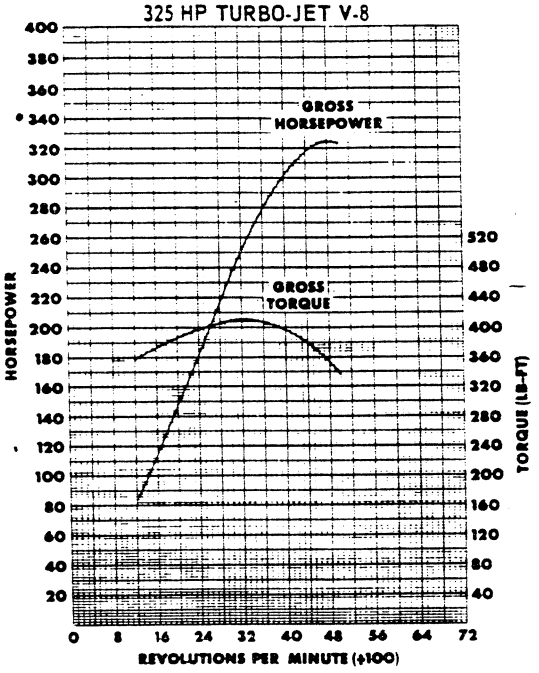
325 HP TURBO-FIRE V-8



350 HP TURBO-JET V-8



325 HP TURBO-JET V-8



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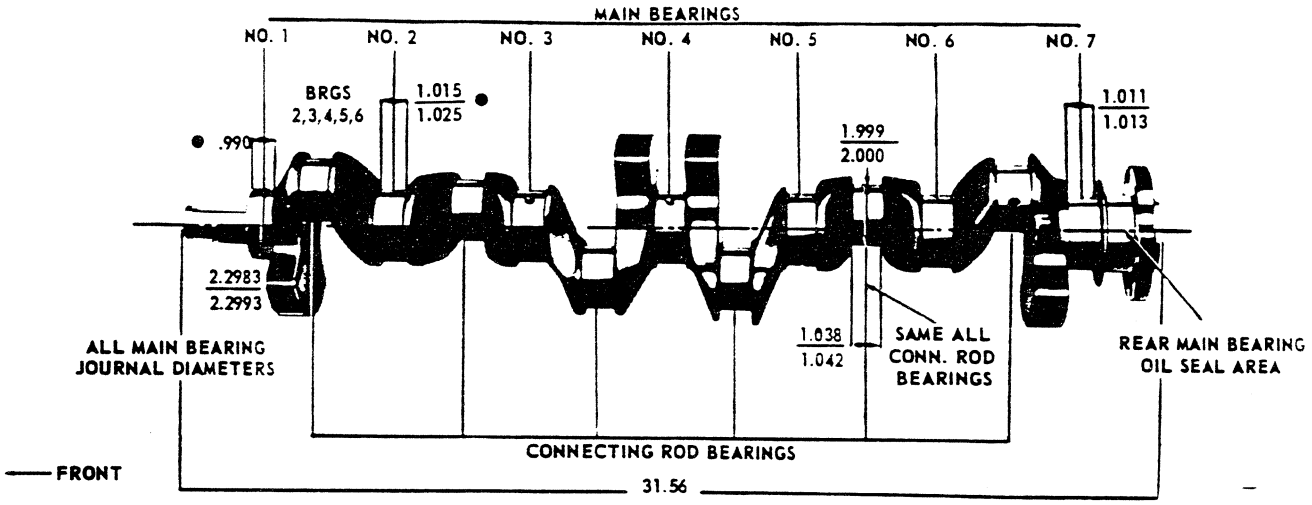
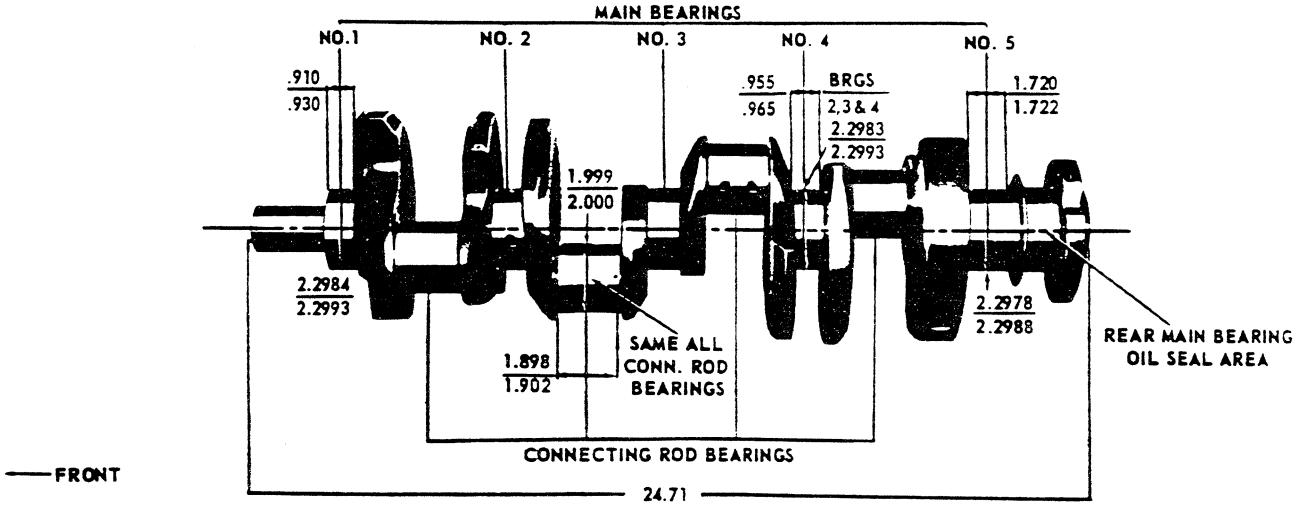
CRANKSHAFTS AND BEARINGS

230 CUBIC INCH SIX CYLINDER ENGINE



283 and 327 CUBIC INCH V-8 ENGINES



CYLINDER BLOCK

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

CYLINDER HEAD

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

COMBUSTION CHAMBER VOLUME

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

INLET MANIFOLD

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

EXHAUST MANIFOLD

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

CRANKSHAFT

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

MAIN BEARINGS

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

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

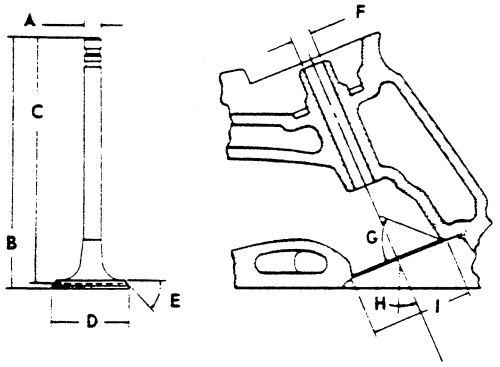
PRINCIPAL COMPONENTS—Cont'd.

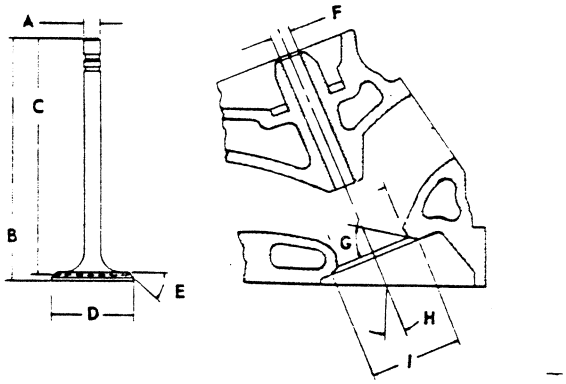
INLET VALVES

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

EXHAUST VALVES

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





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

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

CAMSHAFT

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

VALVE TRAIN

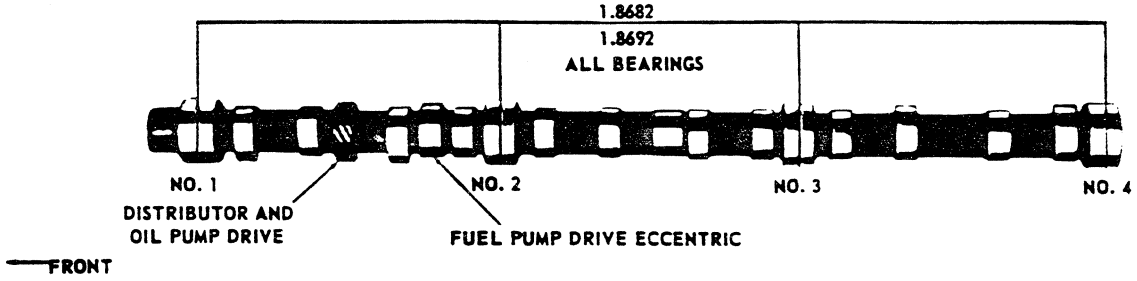
Type	Individually mounted, overhead rocker arms, push rod actuated
Lifters	Hydraulic
Rocker Arms	Stamped steel
Ratio	
L6-230 & 250 Cu.In.	1.75:1
V8-283 & 327 Cu.In.	1.50:1
V8-396 Cu.In.	1.70:1
Push Rods	
Type	Hollow steel
Ends	Hardened
V8-327 Cu.In. (RPO L79)	Hardened steel insert on rocker arm end

VALVE SPRINGS

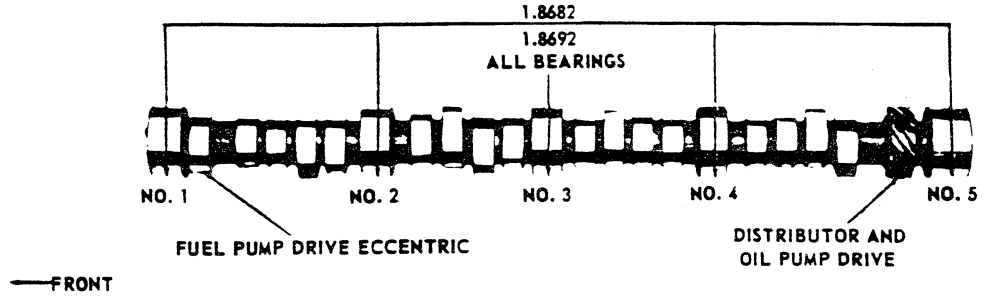
Diameter	
L6-230 & 250 Cu.In.	.872-.888
V8-283 & 327 Cu.In.	.868-.884
V8-396 Cu.In.	1.082-1.098
Installed Length (in. @ lb.)	
Valves closed	
L6-230 & 250 Cu.In.	1.66 @ 56-64
V8-283 & 327 Cu.In.	1.70 @ 76-84
V8-396 Cu.In.	1.88 @ 94-106
Valves opened	
L6-230 & 250 Cu.In.	1.27 @ 180-192
V8-283 & 327 Cu.In.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

CAMSHAFT AND BEARINGS

230 CUBIC INCH SIX CYLINDER ENGINE



283 and 327 CUBIC INCH V-8 ENGINES



VALVE LIFT

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

VALVE TIMING (Crankshaft degrees)

L6-230 & 250 Cu.In.	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	16°	62°
Closes - ABC	48°	94°
Duration	244°	336°
Exhaust Valve (Zero lash)		
Opens - BBC	46°30'	92°30'
Closes - ATC	17°30'	63°30'
Duration	244°	336°

V8-283 & 327 Cu.In. (RPO L30)	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	28°	38°
Closes - ABC	72°	92°
Duration	280°	310°
Exhaust Valve (Zero lash)		
Opens - BBC	78°	88°
Closes - ATC	30°	52°
Duration	288°	320°

V8-327 Cu.In. (RPO L79)	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	40°	54°
Closes - ABC	86°	108°
Duration	306°	342°
Exhaust Valve (Zero lash)		
Opens - BBC	88°	102°
Closes - ATC	38°	60°
Duration	306°	342°

V8-396 Cu.In.	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	28°	40°
Closes - ABC	78°	102°
Duration	286°	322°
Exhaust Valve (Zero lash)		
Opens - BBC	75°	87°
Closes - ATC	31°	55°
Duration	285°	322°

V8-396 Cu.In. (RPO L34)	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	40°	56°
Closes - ABC	80°	114°
Duration	300°	350°
Exhaust Valve (Zero lash)		
Opens - BBC	88°	110°
Closes - ATC	32°	62°
Duration	300°	352°

PISTONS

Material
L6-230 & 250 Cu.In. ---------- Cast aluminum alloy
V8-283 & 327 Cu.In. (RPO L30) -- Cast aluminum alloy
V8-396 Cu.In. (Base & RPO L34) -- Cast aluminum alloy
V8-327 (RPO L79) ------- Aluminum impact extruded
Head Type
L6, V8-283 & 327 Cu.In. (RPO L30) ---- Flat, notched
V8-327 Cu.In. (RPO L79) ---------- Domed head
V8-396 Cu.In. ---------- Domed head, valve cutout
Skirt Type ---------- Slipper
Top Land Clearance
L6-230 & 250 Cu.In. ---------- .0345-.0435
V8-283 Cu.In. ---------- .0345-.0435
V8-327 Cu.In. (RPO L30) ---------- .0365-.0455
V8-327 Cu.In. (RPO L79) ---------- .0395-.0425
V8-396 Cu.In. ---------- .0305-.0375
Skirt Clearance
L6, V8-283 & 327 Cu.In. (RPO L30) ----- .0005-.0011
V8-327 Cu.In. (RPO L79) ---------- .0024-.0030
V8-396 Cu.In. ---------- .0007-.0013
Compression Ring Groove Depth
L6-230 & 250 Cu.In. ---------- .2153-.2218
V8-283 Cu.In. ---------- .2153-.2218
V8-327 Cu.In. ---------- .2217-.2283
V8-396 Cu.In. ---------- .2253-.2318
Oil Ring Groove Depth
L6-230 & 250 Cu.In. ---------- .2093-.2158
V8-283 Cu.In. ---------- .2093-.2158
V8-327 Cu.In. ---------- .2038-.2103
V8-396 Cu.In. ---------- .2098-.2168
Pin Bore Offset ---------- .055-.065
RPO L79 -- On center
Compression Height
L6-230 & 250 Cu.In. ---------- 1.658-1.662
V8-283 Cu.In. ---------- 1.799-1.801
V8-327 Cu.In. (RPO L30) ---------- 1.674-1.676
V8-327 Cu.In. (RPO L79) ---------- 1.673-1.677
V8-396 Cu.In. ---------- 1.953-1.957

PISTON PINS

Material ---------- Chromium steel
Length
L6, V8-283 & 327 Cu.In. ---------- 2.990-3.010
V8-396 Cu.In. ---------- 2.930-2.950
Diameter
L6, V8-283 & 327 Cu.In. ---------- .9270-.9273
V8-396 Cu.In. ---------- .9895-.9898
Clearance in Piston
L6, V8-283 & 327 Cu.In. ---------- .00015-.00025
V8-396 Cu.In. ---------- .00025-.00035
Pin Mounting ---------- Locked in rod by shrink fit

PRINCIPAL COMPONENTS—Cont'd.

COMPRESSION RINGS - UPPER

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

COMPRESSION RINGS - LOWER

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

OIL CONTROL RINGS

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

CONNECTING RODS

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

CONNECTING ROD BEARINGS

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

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

●FUEL FILTERS, DUAL
- In Fuel Tank ---------- Mesh strainer
- In Carburetor Inlet
  - L6-230,250 & V8-283 Cu.In. ---------- Sintered bronze
  - V8-327 & 396 Cu.In. ---------- Paper

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

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

CARBURETORS
- Make and Type
  - L6-230 & 250 Cu.In. ---------- Rochester, single barrel, downdraft
  - V8-283 Cu.In. ---------- Rochester, 2-barrel, downdraft
  - V8-327 Cu.In. (RPO L30) ----- Rochester, Quadrajet
  - V8-327 Cu.In. (RPO L79) ---------- Holley, 4-barrel, downdraft
  - V8-396 Cu.In. (Base SS) ------ Rochester, Quadrajet
  - V8-396 Cu.In. (RPO L34) ---------- Holley, 4-barrel, downdraft
- SAE Flange Type
  - L6-230 & 250 Cu.In. ---------- 1.50
  - V8-283 Cu.In. ---------- 1.25
  - V8-327 Cu.In. ---------- 1.50
  - V8-396 Cu.In. ---------- 1.50
- Throttle Bore
  - L6-230 & 250 Cu.In. ---------- 1.56
  - V8-283 Cu.In. ---------- 1.44
  - V8-327 Cu.In. (RPO L30) & 396 Cu.In. (Base SS)
    - Primary ---------- 1.38
    - Secondary ---------- 2.25
  - V8-327 Cu.In. (RPO L79) & 396 Cu.In. (RPO L34)
    - Primary & Secondary ---------- 1.562
- Secondary Throttle Actuation ---------- By linkage approximately when primary valves are opened halfway between closed and open
- Venturi Diameter
  - L6-230 & 250 Cu.In. ---------- 1.34
  - V8-283 Cu.In. ---------- 1.09
  - V8-327 Cu.In. (RPO L30) & 396 Cu.In. (Base SS)
    - Primary ---------- 1.09
    - Secondary ---------- Air valve
  - V8-327 Cu.In. (RPO L79) & 396 Cu.In. (RPO L34)
    - Primary ---------- 1.25
    - Secondary ---------- 1.313

CHOKE
- Type ---------- Automatic

EXHAUST AND VENTILATION SYSTEM

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

MUFFLERS
- Type ---------- Oval, reverse flow
- Construction ---------- Heads and body joined by rolled lock seam construction
- Head
  - L6-230, 250 & V8-283 Cu.In. ------- .047 sheet steel, aluminized
  - V8-327 Cu.In. (RPO L30) --------- .060 sheet steel, aluminized
  - V8-327 (RPO L79) & V8-396 Cu.In.
    - Left hand ---------- .055 sheet steel, aluminized
    - Right hand ---------- .060 stainless steel
- Shell
  - L6-230 & 250 Cu.In. ---------- .035 sheet steel, zinc coated
  - V8-283 Cu.In. --------- .035 sheet steel, zinc coated
  - V8-327 Cu.In. (RPO L30) ---------- .035 sheet steel, zinc coated
  - V8-327 (RPO L79) & V8-396 Cu.In.
    - Left hand ---------- .035 sheet steel, zinc coated
    - Right hand ---------- .036 stainless steel
- Wrap ---------- .030 indented asbestos sheet
- Cover ---------- .018 sheet steel, aluminized
- Baffles
  - L6-230 & 250 Cu.In.
    - No. 1, 3 & 4 ---------- .047 sheet steel, zinc coated
    - No. 2 ---------- .035 sheet steel, zinc coated
  - V8-283 & 327 (RPO L30) Cu.In.
    - No. 1 & 4 ---------- .047 sheet steel, zinc coated
    - No. 2 & 3 ---------- .035 sheet steel, zinc coated
  - V8-327 (RPO L79) & V8-396 Cu.In.
    - Left hand
      - No. 1, 3 & 4 -------- .047 sheet steel, zinc coated
      - No. 2 ---------- .035 sheet steel, zinc coated
    - Right hand
      - No. 1, 2, 3 & 4 ---------- .036 stainless steel
- Length, Body
  - L6-230 & 250 Cu.In. ---------- 17.00
  - V8-283, 327 & 396 Cu.In. ---------- 21.25
- Width (I.D.) ---------- 9.25
- Height (I.D.) ---------- 5.00

EXHAUST CROSSOVER PIPE (V8-283 & 327 - RPO L30)
- Dimensions (O.D.) ---------- 2.00
- Wall Thickness ---------- .084-.104 laminated

EXHAUST PIPE
- Dimensions (O.D.)
  - L6-230, 250 & V8-283 Cu.In. ---------- 2.00
  - V8-327 & 396 Cu.In. ---------- 2.50
- Wall Thickness
  - L6-230 & 250 Cu.In. ---------- .057-.071
  - V8-283, 327 & 396 Cu.In. ------- .073-.091 laminated

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

ENGINE VENTILATION

L6, V8-283, 327 (RPO L30) & 396 (Base SS) ---- Positive-type; fresh air metered into the engine through the oil filler cap. Unburned fumes drawn into the induction system, controlled by a regulating valve, and burned in the combustion chamber and expelled through the exhaust system.

V8-396 (RPO L34), V8-327 (RPO L79) --------- Closed-positive type; fumes drawn into induction system from crankcase via hose connected to left side rocker cover and base of carburetor and metering orifice at base of carburetor. Fresh air is picked up from carburetor air cleaner and ducted to right side rocker cover.

AIR INJECTION REACTOR (California vehicles only)
- Injection System
  - Point of Entry ---------- Exhaust ports
  - Check Valve ---------- Pressure (plate type)
  - Backfire Protection ---------- Vacuum actuated anti-backfire valve
- Air Injection Pump
  - Type ---------- Semi-articulated vane type
  - Drive ---------- Crankshaft pulley
  - Drive Ratio ---------- 1.25:1
  - Relief Valve ---------- Pressure (plate type)

LUBRICATION SYSTEM

GENERAL
- Type ---------- Controlled full pressure
- Main Bearings ---------- Pressure
- Connecting Rods ---------- Pressure
- Piston Pins ---------- Splash
- Cylinder Walls
  - L6 ---------- Main and conn. rod bearing throw off
  - V8 ---------- Pressure, jet cross sprayed
- Camshaft Bearings ---------- Pressure
- Valve Lifters ---------- Pressure
- Rocker Arms ---------- Pressure
- Timing Gears
  - L6 ---------- Nozzle sprayed
  - V8 ---------- Centrifugally oiled from camshaft bearing
- Oil Pressure Sending Unit
  - Type ---------- Electric
  - Actuation ----- Opens or closes circuit @ 2 to 6 PSI
- Oil Filler
  - Cap -------- Oil wetted crimped aluminum breather V8-396 -- Positive seal
  - Location
    - L6 ---------- Forward end of rocker cover
    - V8-283 & 327 Cu.In. --- Left front of intake manifold
    - V8-396 Cu.In. ---- Top center of right rocker cover

CRANKCASE CAPACITIES (Quarts)
- Refill
  - L6-230 & 250 Cu.In. ---------- 4
  - V8-283, 327 & 396 Cu.In. ---------- 4
- Refill with Filter Change
  - L6-230 & 250 Cu.In. ---------- 5
  - V8-283, 327 & 396 Cu.In. ---------- 5

● LUBRICANT GRADES AND TEMPERATURES
- 32° F and Above ---------- SAE20W or SAE10W-30
- 0° F to 32° F ---------- SAE10W or SAE10W-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 (no flow conditions)
  - L6, V8-283 & 327 Cu.In. ----- 30-45 PSI @ 1500 RPM
  - V8-396 Cu.In. ---------- 50-75 PSI @ 2000 RPM
- Intake Type ---------- Fixed pickup with screen
- Capacity (GPM @ Engine RPM)
  - L6-230 & 250 Cu.In. ---------- 4.3 @ 2000
  - V8-283 & 327 Cu.In. ---------- 4.3 @ 2000
  - V8-396 Cu.In. ---------- 6.0 @ 2000

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

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

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

COOLING SYSTEM

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

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

RADIATOR HEAVY DUTY (RPO V01)
- Core constant and thickness
  - Distance between fins ---------- .16 Syn. & P/Gld
  - Distance between tubes ---------- .55
  - Thickness of core
    - L6-230 & 250 Cu.In. ---------- 1.26
    - V8-283 & 327 (RPO L30) Cu.In. ---------- 1.75
    - V8-327 (RPO L79) & V8-396 Cu.In. ---------- 1.98
  - Frontal area (sq.in.)
    - L6-230 & 250 Cu.In. ---------- 357
    - L6-283 Cu.In. ---------- 391 Syn., 404 P/Gld
    - V8-327 Cu.In. (RPO L30) ----- 391 Syn., 404 P/Gld
    - V8-327 (RPO L79) & V8-396 Cu.In. ---------- 391

RADIATOR CAP RELIEF VALVE
- Opens at ---------- Approximately 15 PSI

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

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

FAN
- Number of blades ---------- 4
- Diameter ---------- 17.62
- Fan pulley pitch diameter ---------- 7.00

BELTS, CRANKSHAFT, FAN AND GENERATOR
- Number used ---------- One
- Angle of "V" ---------- 38°-42°
- Pitch line
  - L6-230 & 250 Cu.In. ---------- 39.00
  - V8-283 Cu.In. ---------- 53.50
  - V8-327 Cu.In. ---------- 53.50
  - V8-396 Cu.In. ---------- 56.20
- Width ---------- .380

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

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

ELECTRICAL SYSTEM

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

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

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

STARTING SYSTEM
- STARTING MOTOR
  - Rotation (Drive End View) ---------- Clockwise
  - Test Conditions --------- Engine at operating temp.
  - No Load Test
    - Amps
      - L6-230, 250 & V8-283 ---------- 58-87
      - V8-327 ---------- 65-100
      - V8-396 ---------- 70-99
    - Volts ---------- 10.6
    - RPM
      - L6-230, 250 & V8-283 ---------- 8450-10700
      - V8-327 ---------- 3600-5100
      - V8-396 ---------- 7800-12000
  - Motor Drive
    - Engagement ---------- Solenoid
    - Pinion Tooth No. ---------- 9
    - Flywheel Tooth No. -------- 153; V8-396 ---- 168
    - Mounting --------- Bolted to cylinder block flange

IGNITION SYSTEM
- DISTRIBUTORS ---------- Refer to chart below

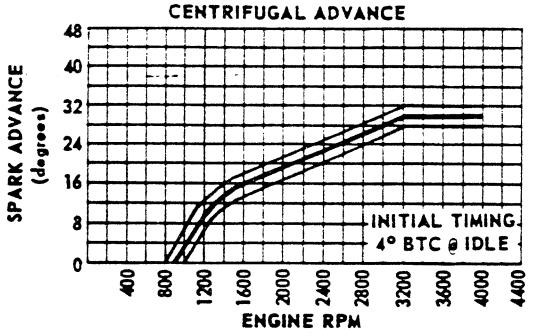
COIL
- Type ---------- 12-Volt
- Amperes Drawn
  - Engine Stopped ---------- 4.0
  - Engine Idling ---------- 1.8

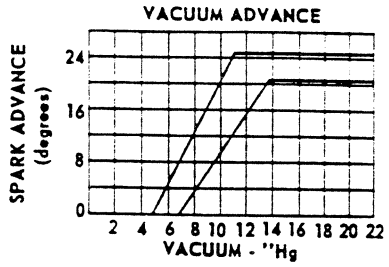
SPARK PLUGS
- Type
  - L6-230 & 250 ---------- AC46N (long reach)
  - V8-283 ---------- AC45
  - V8-327 ---------- AC44
  - V8-396 ---------- AC43N
- Thread Size (mm) ---------- 14
- Gap ---------- .033-.038
- Torque ---------- 25 lb ft

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

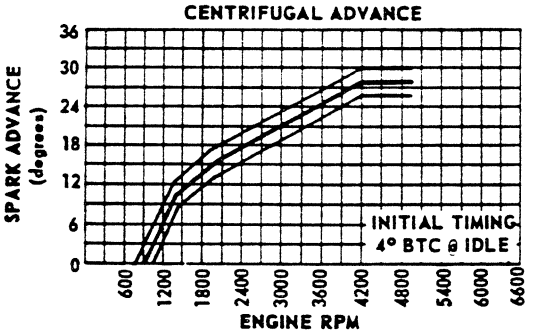
DISTRIBUTORS	L-6 230 Cu.In. 140 HP	L-6 250 Cu.In. 155 HP	V-8 283 Cu.In. 195 HP	V-8 327 Cu.In. 275 HP	V-8 327 Cu.In. 325 HP	V-8 396 Cu.In. 325 HP	V-8 396 Cu.In. 350 HP
Model	1110362	1110351	1111150	1111249	1111195	1111169	1111170
Type	Single Breaker						
Cam angle	31° -34°		28° -32°				
Breaker gap	.019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

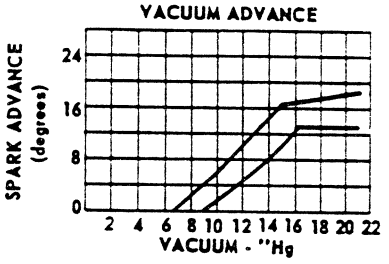
230 CUBIC INCH L-6 ENGINE



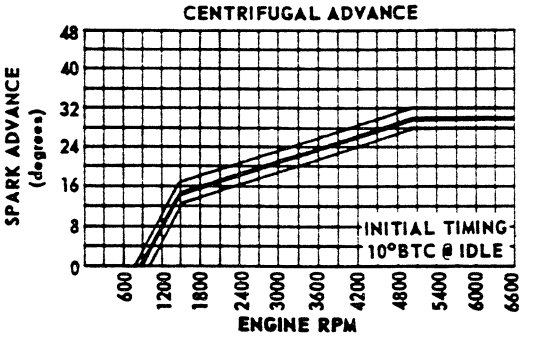


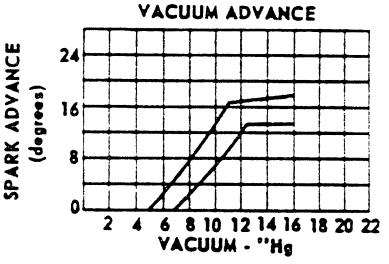
283 CUBIC INCH V-8 ENGINE



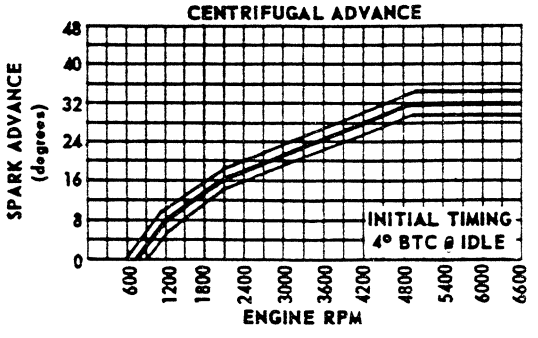


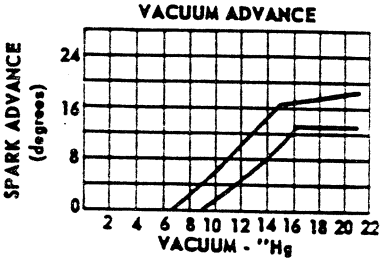
327 CUBIC INCH V-8 ENGINE (RPO L79)





396 CUBIC INCH V-8 ENGINE





CLUTCHES

Engine	Type		L6-230	L6-250	L6-230	V8-283			V8-327		V8-396
	Availability		Base	RPO L22	Base	Base			● RPO L30 & L79		Base & RPO L34
Clutch for			3-Spd		M01*	3-Spd	M01*	4-Spd	3-Spd & 4-Spd	M01*	3-Spd & 4-Spd
Type			Single dry disc						Single dry disc, centrifugal		
Clutch cover & pressure plate	Eff. plate load, lbs.		1650-1850		1900-2200	1750-2000	1700-1950	2100-2300		2450-2750	
	Press. plate mat.		Cast iron					Nodular iron			
	Clutch spring type		Diaphragm					Diaphragm, bent finger design			
	Clutch spring matl.		Heat treated spring steel								
Driven plate	Type		Single disc with two friction surfaces								
	Cushions		Flat spring steel between friction rings								
	Dampers		(a)		(b)	12 coil springs (6 sets of two)		10 coil springs (5 sets of two)			
	Friction rings	OD	9.12		10.00	10.00	11.00	10.40		11.00	
		ID	6.12		6.00	6.50	6.50	6.50		6.50	
		Total area sq.in.	71.82		100.53	90.71	123.70	103.5		123.70	
		Material	Woven type asbestos (c)								
Flywheel & Ring Gear	Flywheel	Material	Cast iron								
	Ring gear	Material	Heat treated HR steel								
		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								

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

3-SPEED AND 4-SPEED TRANSMISSIONS

Transmission Type		3-Speed				Heavy Duty 3-Speed					4-Speed			
Engine Application	Type	L-6 230	V-8 283	L-6 250	V-8 327	L-6 230	V-8 283	L-6 250	V-8 327	V-8 396	V-8 283	V-8 327	V-8 396	V8 327 V8 396
	Availability	Standard		L22	L30	Standard		L22	L30 & L79	Base & L34	Std.	L30	Base	L79 & 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									Reverse			
	Ratios First	2.85		2.54		2.86			2.41		3.11	2.54	2.52	2.52 2.20
	Ratios Second	1.68		1.50		1.72			1.57		2.20	1.80	1.88	1.88 1.64
	Ratios Third	1.00		1.00		1.00			1.00		1.47	1.44	1.47	1.47 1.27
	Ratios Fourth										1.00	1.00	1.00	1.00 1.00
	Ratios Reverse	2.95		2.63		2.86			2.41		3.11	2.54	2.59	2.59 2.26
Lubricant	Type	Meeting Military Specification MIL-L-2105B												
	Capacity (pts)	3				3.5					3			
Extension	Material	Cast iron												Alum.
	Oil seal	Steel encased double seal of spring loaded rubber or felt												

OVERDRIVE TRANSMISSION (RPO M10)

GENERAL

Type ---------- 3-pinion planetary drive unit

Description ---------- Adaptable to 3-speed transmission. Overdrive drive unit with integral mainshaft replaces mainshaft and extension of 3-speed

Operation ---------- Activation by manually operated pull type lockout switch located under instrument panel to right of steering column; when fully extended, overdrive unit is inoperative. Overdrive unit can be over-ridden by a downshift switch located at the carburetor and controlled by the accelerator pedal; over-riding achieved by tramping accelerator.

Lubricant

Type ---------- Meeting Military Specification MIL-L-2105-B

Viscosity ---------- SAE 80

Capacity (pts) ---------- Total 3 pints

Gear ratios with overdrive locked in

Regular production and optional L-6 engines

First ---------- 1.995

Second ---------- 1.176

Third ---------- 0.700

Output shaft RPM

Cut-in ---------- 1440

Cut-out ---------- 1100

AUTOMATIC TRANSMISSION (RPO M35)

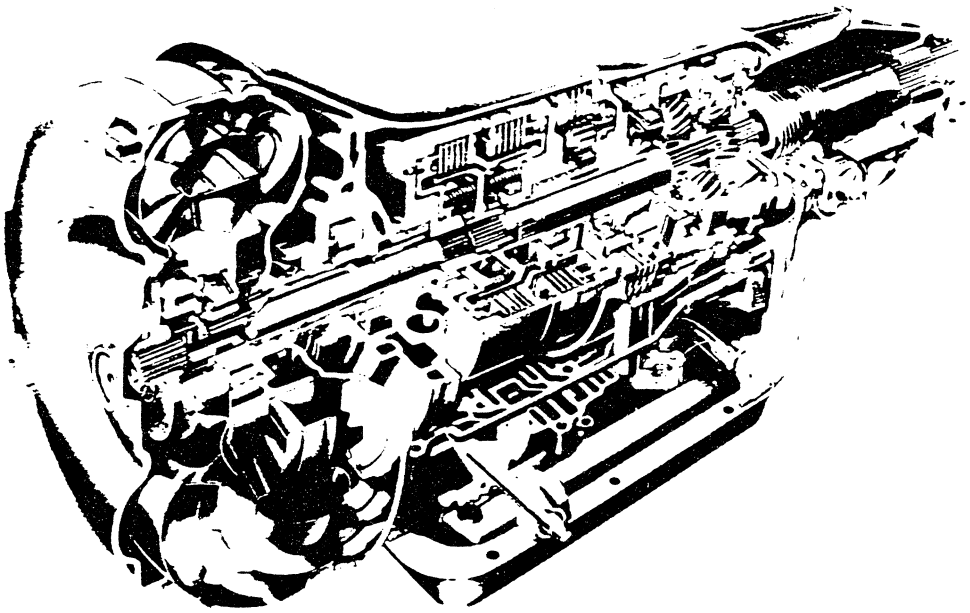
Engine	Type		L-6 230 Cu.In.	V-8 283 Cu.In.	L-6 250 Cu.In.	V-8 327 Cu.In.	V-8 396 Cu.In.	
	Availability		Standard		RPO L22	RPO L30	Base & L35	RPO L34
General data	Type		Automatic hydraulic torque converter with planetary gear system for low and reverse					
	Selector lever	Location	Steering column (a)					
		Operation	Actuates manual valve in hydraulic control system					
		Quadrant pattern	P-R-N-D-L					
	Parking lock	Type	Pawl and gear (on planetary)					
		Operation	Applied by selector lever thru spring loaded linkage					
Hydraulic controls	Method of cooling		Water					
	Flywheel assembly		Steel stamping with welded on ring gear					
	Manual valve type		Spool					
	Pressure regulator valve type		Spool					
	Pressure @ Idle (b)	Drive	51	51	51	51		
		Low	112	122	112	132		
		Reverse	86	92	86	85		
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. Operation independent of cover and pump housing.					
	Stator		Aluminum air foil supported on a stationary sleeve by an over-running clutch of cam and roller design.					
	Stall torque ratio		2.10					
	Stall speed (RPM)		1560	1530	1620	1680	1880	1860
	Diameter (nominal)		11.0			11.75		

(a) Floor mounted when used with bucket seats

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

AUTOMATIC TRANSMISSION — CONTINUED

Engine	Type		L-6 230 Cu.In.	V-8 283 Cu.In.	L-6 250 Cu.In.	V-8 327 Cu.In.	V-8 396 Cu.In.	
	Availability		Standard		RPO L22	RPO L30	Base & L35	RPO L34
	Type		Compound planetary					
Planetary gear set	Range	Drive	1.82 to 1			1.76 to 1		
		Low	1.82			1.76		
		Reverse	1.82			1.76		
	Low band		Three linked circular segments					
	Low band servo		Piston with release spring and inner cushion spring					
Case	Material		Aluminum (one piece)					
Output shaft RPM & vehicle speed (MPH)	N/V factor		41.4	41.4	41.4	41.4	40.5	43.6
	Upshift	Closed throttle	650(16)	650(16)	650(16)	660(16)	670(17)	680(16)
		Throttle at detent	1970(48)	2085(50)	1970(48)	2340(57)	2485(61)	2740(63)
		Full throttle	2285(55)	2405(58)	2285(55)	2745(66)	2955(73)	3255(75)
	Downshift	Closed throttle	605(15)	605(15)	605(14)	615(15)	625(15)	630(14)
		Throttle at detent	1200(30)	825(20)	1220(29)	885(21)	760(19)	815(19)
		Full throttle	2125(51)	2270(55)	2135(52)	2585(62)	2770(68)	3055(70)
High clutch	Type		Multi-disk					
	Drive plates	Description	Waved steel with bonded organic facings					
		Number	3	4	3	4		
	Driven plates	Description	Flat steel					
		Number	4	5	4	5		
Reverse clutch	Type		Multi-disk					
	Drive plates	Description	Flat steel with bonded organic facings					
		Number	4	4	4	5	6	
	Reaction plates	Description	Flat steel					
		Number	4	4	4	5	6	
Torque Multiplication	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					



TURBO HYDRA-MATIC TRANSMISSION (RPO M40)

(Available with 396 Cu.In. Engines only)

GENERAL DATA

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

Selector Lever

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

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

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

External Control Connections

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

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

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

Parking Lock

Type ---------- Locking pawl

Operation ---------- Applied by selector lever through manual linkage

Method of Cooling ---------- Water

TORQUE CONVERTER

Driving Member (Pump) ---------- Multivane type, 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 ---------- 2.04

Stall Speed (RPM) ---------- 2100

Diameter (Nominal) ---------- 12.83

CLUTCHES

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

PLANETARY GEAR UNIT

Front ------ Reaction carrier assy ---------- Four steel pinion gears
Rear ------ Output carrier assy ---------- Four steel pinion gears

Gear Ratios
D (Drive) ---------- 2.48:1, 1.48:1, 1.00:1
L2 (Low two) ---------- 2.48:1, 1.48:1
L1 (Low one) ---------- 2.48:1
R (Reverse) ---------- 2.08:1

Front Band
Type -------- One, circular steel with organic lining
Function ---------- Provides engine braking in 2nd gear with selector lever in L2 and L1 range

Rear Band
Type ---------- Double wrap circular steel with organic lining
Function ---------- Provides engine braking Lo range 1st gear; also in reverse range the band holds the reaction carrier to apply reverse gear ratio
Servo units ---------- Piston with release spring and 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) ---------- 5.06:1 to 1.00
Low 2 ---------- 5.06:1 to 1.48
Low 1 ---------- 5.06:1 to 2.48
Reverse ---------- 4.24:1 to 2.08

AB7 ____ Window — Rr. Quarter Louvered
AB8 ____ Window — Rr. Qtr. Formal Style
AC3 ____ Seat Adjuster — 6 Way Power Bucket
AD3 ____ Glass — Hinged Roof Window
AD7 ____ Window — Rr. Qtr. Teardrop Less Louvers
AE1 ____ Glass — Roof Panel
AG1 ____ Seat Adjuster — 6 Way Power Driver (60-40)
AG2 ____ Seat Adjuster — 6 Way Power Pass. (60-40)
AG7 ____ Seat Adjuster — 6 Way Power Driver (50-50)
AK1 ____ Belts — Deluxe
AM6 ____ Seat Asm. — Frt. Seat Split (60-40) W/Center Arm Rest
AM7 ____ Folding Rear Seat Asm.
AN5 ____ Seat Asm.—Pass. Reclining (40-40)
AN6 ____ Seat Back — Adjustable, Driver
AN7 ____ Seat Asm. — Bucket, Shell Type Swivel
AQ4 ____ Seat Asm. — Sta. Wag. 3rd Seat
AQ9 ____ Seat Asm. — Bucket, Pass. Reclining
AR5 ____ Seat Asm. — Bucket, European Style
AR9 ____ Seat Asm. — Bucket, European Style
AS4 ____ Rear Seat Deluxe Shoulder Harness
AT6 ____ Recliner Seat — RH Manual
AT8 ____ Seat Asm. — Adjustable, (50-50) Pass. Reclining
AU1 ____ Key — Single Car
AU3 ____ Lock — Side Doors, Electric
AU4 ____ Lock — Side Door, Electric Automatic
AU5 ____ Lock — Seat Back & Side Door, Electric
AU6 ____ Lock Release — Tail Gate, Remote Control Electric
AU7 ____ Key — Single — For Total Fleet
AV3 ____ Cargo Tie Downs
AV7 ____ Seat Asm. — Front (50-50)
AO1 ____ Glass — Tinted, All Windows (Tinted Windshield)
AO2 ____ Glass — Tinted, Windshield (Tinted Upper)
A20 ____ Glass — Rear Qtr. Vent, Swing Out
A31 ____ Window — Power Operated, All (Exc. Vent)
A39 ____ Seat Belts—Frt., Rr., Ctr. Deluxe Type
A41 ____ Frt. Seat Elec. CH—4-Way Bench Seat
A42 ____ Seat Adjuster 6-Way Power, Single Unit
A44 ____ Seat Adjuster
A46 ____ Elec. 4-Way Seat Adjuster (L.H. Bucket Seat Only)
A50 ____ Seat Asm. — Front Bucket — Formed
A51 ____ Seat Asm. — Bucket (L & R) Contour
A52 ____ Seat Asm. — Bench
A65 ____ Seat Back — Frt. Seat Split
A66 ____ Seat Back — 2nd Seat Split
A75 ____ Seat Asm. — Heavy Duty — Front
A76 ____ H.D. Seat Cushion & Back
A85 ____ Shoulder Harness — Deluxe Frt.
A90 ____ Lock Release — Rr. Compt. Lid, Remote Control Elec.
A99 ____ Glove Box Lock

BB4 ____ Map Pocket
BB8 ____ Interior Ornam — Door Trim Mldg.
BC1 ____ Interior Ornamentation — Wood Grain
BC5 ____ Interior Ornam — Load Compt. — Carpet
BF2 ____ Carpet — Floor Covering — Deluxe
BG1 ____ Floor Mat — Heavy Duty
BG9 ____ Covering — Floor — Rubber
BS1 ____ Quiet Sound Group
BS2 ____ Acoustical Package
BW2 ____ Molding — Body Side Protection
BW6 ____ Exterior Decor Package
BW7 ____ Ext. Ornam — Pillar Applique
BX1 ____ Ext. Ornam — Front End Panel
BX3 ____ Exterior Ornamentation — Wood Grain Side Panel
BX6 ____ Ext. Ornam — Mldg. and Applique
BX7 ____ Door Edge Guards
BX8 ____ Molding — Used W/Two Tone Paint
BX9 ____ Ornament — Front End Panel
BY1 ____ Ext. Ornam — Body Emblem
BY2 ____ Police Body Equipment
BY4 ____ Int. Ornam — Inst. Panel Monogram
B1Q ____ Lock — Power Tail Gate
B3X ____ Estate Equipment
B02 ____ Special Body — Taxi Cab
B07 ____ Special Body — Police Car.
B09 ____ H.D. Police Package
B22 ____ Emblem — Door
B26 ____ Handle — Door Pull Interior
B28 ____ Floor Mats — Carpet Insert
B30 ____ Carpet — Floor Covering
B32 ____ Mat — Front Floor Throw
B33 ____ Mat — Rear Floor Throw
B34 ____ H.D. Frt. Floor Mats
B35 ____ H.D. Rr. Floor Mats
B36 ____ Mat — Luggage Compartment
B37 ____ Floor Mats — Front & Rr.
B39 ____ Carpet — Load Floor and Deck Lid
B44 ____ Carpet — Load Floor Seat Back
B48 ____ Luggage Compt. Trim
B51 ____ Moulding — Rocker Panel Wide
B65 ____ Trunk Asm. — Floor Cover
B71 ____ Exterior Ornam — Custom Whl. Opening Mldgs.
B75 ____ Lining — Luggage Compt.
B77 ____ Molding — Windshield Reveal
B79 ____ Exterior Ornamentation — Rr. End
B80 ____ Molding — Roof Drip
B83 ____ Molding — Rocker Panel
B84 ____ Molding — Body Side
B85 ____ Molding — Belt Reveal
B86 ____ Molding — Custom Rear Qtr. Lower
B89 ____ Molding — Back Window Reveal
B90 ____ Molding — Side Window Reveal
B93 ____ Guards — Door Edge
B94 ____ Emblem — Body "GT"
B95 ____ Applique — Pillar
B96 ____ Molding — Wheel Opening
B97 ____ Spoiler

CA1 ____ Roof — Steel Sliding Sun, Electric
C84 ____ Vinyl Padded Roof (Integral Pad) — Rear
C85 ____ Vinyl Padded Roof (W/¼" Pad) — Full
C87 ____ Vinyl Padded Roof (Integral Pad) — Front
CC1 ____ Panels — Removable Roof Hatch
CD2 ____ W/S Washer Jar Fluid Level Monitor
CD4 ____ Washer & Wiper — Windshield, Pulse System
CF4 ____ Roof — Sliding Sun
CF5 ____ Astro Roof — Elec.
C04 ____ Vinyl Padded Roof (w/¼" Pad) — Rear
C09 ____ Vinyl Padded Roof (Integral Pad) — Full
C18 ____ Black Windshield Wiper and Blade
C24 ____ Wipers — Recess Parked
C41 ____ Heater & Defroster — Outside Air
C46 ____ Heater — Hi-Flow
C49 ____ Defogger — Rear Window, Electric
C50 ____ Defogger — Rear Window
C51 ____ Deflector — Station Wagon Air
C54 ____ Heated Rr. Window Defogger
C60 ____ Air Conditioner — Manual Cont.
C61 ____ Air Conditioner — Auto. Cont.
C65 ____ Air Conditioner — Semi-Auto. Cont.
C80 ____ Switch — Frt. Door Jamb
C81 ____ Switch — Rear Door Jamb
C87 ____ Lamp — Rear Qtr. Courtesy
C88 ____ Lamp — Rear Compt. Courtesy
C90 ____ Lamp — Combination Courtesy & Door Wiring
C91 ____ Lamp — Front Dome
C93 ____ Lamp — Opra — Exterior Lock Pillar or Sail Panel
C95 ____ Lamp — Dome & Reading
C97 ____ Lamp Courtesy — Door Handle Operated

DF3 ____ Mirror — Remote Control RH, Chrome
DH5 ____ Mirror — Visor Vanity — Left
DJ9 ____ Mirror — Rear View RH, Sport Type
DL1 ____ Decals and Stripes
DX4 ____ Tape — Accent Stripe
DX9 ____ Tape — Accent Stripe
D24 ____ Litter Container
D31 ____ Mirror — Inside Tilt Rearview (Non Glare)
D33 ____ Mirror — Remote Control LH, Chrome
D34 ____ Mirror — Visor Vanity
D35 ____ Mirror — Remote Control LH, Custom

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

UA1 ____ Battery — Heavy Duty
UB7 ____ Cluster Asm. — Warning and Trip Odometer
UE8 ____ Clock — Electric (Digital)
UF3 ____ Lamp — Map (W/Sun Visor Support)
UF7 ____ Cluster — Oil Temp., Volt Meter, Fuel Economy
UF8 ____ Switch — Dimmer Headlamp
UH1 ____ Lamp Monitor — Electric
UM1 ____ AM Radio & 8 Track Tape Player
UM2 ____ AM-FM Stereo Radio & 8 Track Tape Player
UN9 ____ Radio Supression Equip.
UO5 ____ Dual Horns
UR1 ____ Fuel Economy Vacuum Gauge
UX6 ____ Front Dual Speakers
UX9 ____ Speaker — Front
UY8 ____ Radio — AM/FM — Digital Clock
UO5 ____ Dual Horns
UO9 ____ Horn — Four Note
U11 ____ Police Car Speedo
U14 ____ Rally Gauge — Tach & Clock
U15 ____ Speed Alert — Trip Odometer
U18 ____ Kilo Speedo
U21 ____ Instrument Panel Gauges
U25 ____ Lamp — Luggage Compt.
U26 ____ Lamp — Engine Compt.
U27 ____ Lamp — Inst. Panel Compt.
U28 ____ Lamp — Ash Tray
U29 ____ Lamp — Inst. Panel Courtesy
U30 ____ Instrument Gauges
U35 ____ Electric Clock
U37 ____ Lighter — Cigar
U38 ____ Warning System — Low Coolant
U41 ____ Indicator — Low Fuel
U46 ____ Monitor — External Lamp
U57 ____ Player — Tape
U58 ____ Radio — Stereo (W/Antenna)
U63 ____ Radio — Pushbutton Control (W/Antenna)
U69 ____ Radio — AM-FM (W/Antenna)
U75 ____ Antenna — Power
U76 ____ Antenna — Windshield Embedded
U80 ____ Speaker — Rear Auxiliary
U81 ____ Speaker — Rear, Dual
U89 ____ Wiring Harness — Car Trailer (5 Wire)
U90 ____ Wiring Harness — Roof Flasher
U94 ____ Light Cable — Trailer (7 Wire)

V85 ____ Strip — Front & Rr. Bumper Impact
VF6 ____ Bumper — Rear Step
VG4 ____ Protector — Bumper Rub
VG8 ____ Bumper — Rear With Vinyl Insert
VJ9 ____ Exhaust Emission Level Calif. Cars)
VK1 ____ License Plate — Frt. Mounting Pkg.
VK3 ____ Mounting — Frt. Lic. Plate
VO1 ____ Radiator — Heavy Duty (Var. 1)
VO2 ____ Radiator — Heavy Duty (Var. 2)
V30 ____ Guards — Frt. & Rr. Bumper
V31 ____ Guards — Front Bumper (Chrome)
V32 ____ Guards — Rear Bumper — (Chrome)
V55 ____ Carrier — Roof Luggage
V56 ____ Lock & Trim — Luggage Compartment
V65 ____ Bumper — Light Duty
V81 ____ Trailer Provisions —SAE Class 1 (2000 lbs.)
V82 ____ Trailer Provisions — SAE Class 2 (3500 lbs.)

WA3 ____ Power Seat — 6 Way (Pass. & Driver)
WA5 ____ Dual Speakers (Frt. & Rear)
WB2 ____ AM Stereo Radio Tape
WB3 ____ AM-FM Stereo Radio Tape
BW4 ____ AM-FM Stereo Radio
WB6 ____ Gauges — Instrument Cluster W/Clock
WB7 ____ Vinyl Roof — Rear Vinyl (Pad Attached)
WC2 ____ Moulding Package
WC4 ____ Convenience Group
WC9 ____ Exhaust Emission Group (Calif.)
WD3 ____ Appearance Group
WD4 ____ Accessory Package
WF5 ____ Custom Trim Group
WH3 ____ Appearance Group
WH4 ____ Tachometer & Clock
WH5 ____ Handling Package
WJ7 ____ Leather — Custom
WO2 ____ Wood Grain Group
WT1 ____ Suspension — Bias Tire
WU2 ____ G.T. Option
WU7 ____ Third Seat — Wagon
WW8 ____ Instrument Panel Tach., Rally Clock, Gauges
WY5 ____ Suspension — Radial Tuned
W20 ____ Convenience Group
W50 ____ Appearance Group
W60 ____ Appearance — Special Esprit
W61 ____ Decor — Simulated Wood
W62 ____ Luxury Appointment Group
W63 ____ Rally Clock & Gauges
W66 ____ 400 Sport Option
W71 ____ Seat — Custom Front & Rear

YC6 ____ Estate Wood Grain — Vega
YD1 ____ Towing Package
YE4 ____ Exterior & Interior Deluxe
YF3 ____ "Heavy Chevy" Exterior Decor
YF4 ____ Guard & Strip — Bumper
YF8 ____ Black Paint Stripe
YJ8 ____ Cast Aluminum Wheels

YJ9 ____ Exterior Decor Package
YO2 ____ Seat — Front Custom
YO3 ____ Seat — Rear Custom
YO5 ____ Deadener — Floor
YO7 ____ Molding — Side Window Reveal
Y10 ____ Custom Doors and Qtr.
Y11 ____ Seat — Front — Special Design
Y12 ____ Seat — Rear — Special Design
Y19 ____ Molding — Body Side Lower
Y40 ____ Heavy Duty Cooling
Y51 ____ Molding Group
Y53 ____ Frt. & Rr. Bumper Guards
Y56 ____ Accessory Group
Y60 ____ Convenience Group
Y62 ____ Instrument Cluster — Special Features
Y66 ____ SX Package
Y67 ____ Low Washer Fluid Level Indicator
Y70 ____ Stripe — Decal
Y71 ____ Outside Temp. Indicator
Y72 ____ H.D. Engine Cooling
Y74 ____ Moldings — Rocker and Wheel Opng.
Y79 ____ Appearance Option
Y82 ____ Golden Anniversary
Y83 ____ LJ Option
Y90 ____ Custom Trim
Y92 ____ Lamp Group
Y96 ____ Firm Ride Option
Y97 ____ SJ Option
Y99 ____ Handling Package

ZE2 ____ Olympic Edition Program Content
ZJ1 ____ Custom Interior
ZJ2 ____ Custom Exterior
ZJ3 ____ Interior Decor and Convenience Group
ZJ4 ____ Seat Belt, Chack Doors, Low Fuel Warning Lites
ZJ5 ____ Exterior Decor
ZK7 ____ Noise Level Control
ZL2 ____ Special Ducted Hood Air System
ZL9 ____ Luxury Interior
ZN5 ____ Color Coded Rally Wheels
ZX5 ____ Appearance Group
Z01 ____ "Spyder" Model
Z02 ____ Spyder Appearance Equipment
Z03 ____ Landau Equipment
Z06 ____ Luxury Interior Trim
ZP5 ____ Appearance Guard Group
ZQ2 ____ Operating Convenience Group
ZQ9 ____ Rr. Axle Performance Ratio
ZR8 ____ Sport Stripes — White
Z10 ____ Impala "LX" Package
Z15 ____ S.S. Model
Z20 ____ Paint — Two-Tone Accent Pkg.
Z20 ____ Two Tone Accent Package
Z21 ____ Style Trim
Z25 ____ "SS" 396 Package
Z26 ____ S.S.
Z29 ____ G.T. Option
Z54 ____ Interior Decor/Quiet Sound Group
Z60 ____ Monza Towne Coupe
Z76 ____ Monte Carlo "S" Package
Z85 ____ Rally Sport Equipment
Z95 ____ Catalytic Converter Deletion
Z95 ____ Leaded Fuel Option

AMA Specifications—Passenger Car

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

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

NOTES:

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.

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BODY—TYPES AND STYLE NAMES—

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

	230 Cu. In. L6-140 HP Standard	250 Cu. In. L6-155 HP Optional (L22)	283 Cu. In. V8-195 HP Standard
CHEVELLE 300			
2-Door Sedan, 6-Pass.	13111		13211
4-Door Sedan, 6-Pass.	13169		13269
CHEVELLE 300 DELUXE			
2-Door Sedan, 6-Pass.	13311		13411
4-Door Station Wagon, 2-Seat	13335		13435
4-Door Sedan, 6-Pass.	13369		13469
2-Door Sedan, Pickup, 3-Pass.	13380		13480
MALIBU			
4-Door Station Wagon, 2-Seat	13535		13635
2-Door Sport Coupe, 5-Pass.	13517		13617
4-Door Sport Sedan, 6-Pass.	13539		13639
2-Door Convertible, 5-Pass.	13567		13667
4-Door Sedan, 6-Pass.	13569		13669
2-Door Sedan Pickup, 3-Pass.	13580		13680
CONCOURS			
4-Door Station Wagon, 2-Seat	13735		13835

AMA Specifications—Passenger Car

Page 2

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

GENERAL SPECIFICATIONS—DIMENSIONS

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

MODEL	SAE Ref. No.	SEDANS 2-Dr.	SEDANS 4-Dr.	SPORT SEDAN	SPORT COUPE	CONV.	WAGON	PICKUP
FRONT COMPARTMENT								
Shoulder room	W3	58.8						
Hip room	W5	59.9						
Max. eff. leg room - accelerator	L34	41.9						
Effective head room	H61	38.5		38.6	37.7		38.2	
H Point to Heel point	H30	8.2		7.7	8.2			
REAR COMPARTMENT								
Shoulder room	W4	57.4	58.7		57.0	45.6	58.8	---
Hip room	W6	58.7	59.9		58.6	48.6	59.9	---
Minimum effective leg room	L51	35.8	36.0	35.7	33.1		36.0	---
Effective head room	H63	37.3		37.2	36.3	36.5	38.4	---
LUGGAGE COMPARTMENT								
Usable luggage capacity	V1	17.1					--	
Liftover height	H195	28.9					--	
Position of spare tire storage		Horizontal, Trunk Floor					(a)	(b)
Method of holding lid open		Torsion Bars					--	
STATION WAGON—THIRD SEAT NONE								
Hip room	W86	--						
Effective leg room	L86	--						
Effective head room	H86	--						
Seat facing direction		--						

STATION WAGON—CARGO SPACE

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

(a) Right rear quarter
(b) Back front seat

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (2)

MODEL	13100-300-500-13735		13200-400-600-13835
	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

ENGINE—GENERAL

Type, no. cyls., valve arr.		In-Line 6 OHV		90° OHV V-8
Bore and stroke (nominal)		3.875 x 3.25	3.875 x 3.53	3.875 x 3.00
Piston displacement, cu. in.		230	250	283
Bore spacing (C/L to C/L)		4.4		
No. system (front to rear)	L. Bank	1-2-3-4-5-6 (In-Line)		1-3-5-7
	R. Bank			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		9.25:1
Cylinder Head Material		Cast alloy iron		
Cylinder Block Material		Cast alloy iron		
Cylinder Sleeve-Wet, dry, none		None		
Number of mounting points	Front	Two		
	Rear	One		
Engine installation angle		4°37'		4°46'
Taxable horsepower $\frac{Dia^2 \times No.Cyl.}{2.5}$		36.0		48.0
Publishing max. bhp* @ eng. RPM		140@4400	155@4200	195@4600
Publishing max. torque* (lb. ft. @ RPM)		220@1600	235@1600	285@2400
Recommended fuel regular - premium		Regular		
Idle speed(spec. neutral or drive)	Manual	500 in Neutral		
	Automatic	500 in Drive		

ENGINE—PISTONS

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

*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.

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (e)

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO** (Std. first) (Indicate A/C ratio) "A"	"B"	"C"	"D"
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM					
13100 13300 13500 13735	230 (Std)	1-Bbl Down-draft	8.5:1	140 @ 4400	220 @ 1600	All Models 3-Spd (2.85:1 low) HD3-Spd(2.86:1)*	3:36	3.08	3.55	3.70
						Overdrive*	3.70	----	----	----
						Sedans & Coupes				3.55
						Powerglide*	3.08	----	3.36	3.70
						Air Injection	2.73	----	----	----
						Sta. Wgn. & Pickup				
						Powerglide *	3.36	3.08	3.55	3.70
						All Models-Air/C*				
						All T.excpt O/D	3.36	----	3.55	3.70
						Overdrive *	3.70	----	----	----
13100 13300 13500 13735	250 (Opt)	1Bbl Down-Draft	8.5:1	155 @ 4200	235 @ 1600	All Models 3-Spd(2.85:1 low) HD3-Spd(2.86:1)*	3.08	----	3.36	3.55 3.70
						Overdrive*	3.70	----	----	----
						Sedans & Coupes				
						Powerglide*	3.08	----	3.36	3.55
						Sta. Wgn. & Pickup				3.70
						Powerglide*	3.36	3.08	3.55	3.70
						All Models-Air/C*				
						All T.excpt. O/D	3.36	----	3.55	3.70
						Overdrive *	3.70	----	----	----
13200 13400 13600 13835	283 (Std)	2-Bbl Down-draft	9.25:1	195 @ 4800	285 @ 2400	All Models 3-Spd(2.85:1 low) HD3-Spd(2.86:1)* 4-Spd(3.11:1 low)* Powerglide*	3.08	----	3.36	3.55 3.70
						Overdrive*	3.70	----	----	----
						All Models-Air/C*				
						All T.excpt. O/D	3.36	----	3.55	3.70
						Overdrive *	3.70	----	----	----

* - Optional
** - Also available in positraction for combinations shown
A - Standard
B - Economy, optional
C - Performance, optional
D - Special, optional

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (e)

MODEL	13100-300-500-13735		13200-400-600-13835
	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

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 - material, coating, etc.	Cast alloy iron; inside bevel, tapered face; no bevel with barrel face on 250 cu. in. upper Flash chrome plate - upper; Wear resistant coating - lower		
	Width	(a)	(b)	(a)
	Gap	.010-.020		
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	
Diameter		.9270-.9273	
Type	Locked in rod, in piston, floating, etc.	Locked in rod	
	Bushing: In rod or piston	None	
	Bushing: Material	None	
Clearance	In piston	.00015-.00025	
	In rod	None	
Direction & amount offset in piston		Major thrust side .060	

ENGINE—CONNECTING RODS

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

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

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

MODEL	13100-300-500-13735		13200-400-600-13835
	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

ENGINE—CRANKSHAFT

Material			Cast nodular iron	
Vibration damper type			Rubber mounted inertia	
End thrust taken by bearing (No.)			7	5
Crankshaft end play			.002-.006	
Main bearing	Material & type		Steel back insert of selected bearing material - copper lead alloy or premium aluminum - for intended engine operation and application	
	Clearance		.0003-.0029, No. 5 on 283 V-8 is .0008-.0034	
	Journal dia. and bearing overall length	No. 1	2.3004 x .752	2.3003 x .752
		No. 2	2.3004 x .752	2.3004 x .752
		No. 3	2.3004 x .752	2.3004 x .752
		No. 4	2.3004 x .752	2.3004 x .752
		No. 5	2.3004 x .752	2.3009 x 1.177
		No. 6	2.3004 x .752	None
		No. 7	2.3004 x .760	None
	Dir. & amt. cyl. offset		None	
Crankpin journal diameter			1.999-2.000	

ENGINE—CAMSHAFT

Location			Above and to right of Crk/Shft	In block above Crk/Shft
Material			Cast alloy iron	
Bearings	Material		Steel backed babbitt	
	Number		4	5
Type of Drive	Gear or chain		Gear	Chain
	Crankshaft gear or sprocket material		Steel	Steel Sprocket
	Camshaft gear or sprocket material		Bakelite and fabric composition with steel hub	Cast alloy iron
	Timing chain	No. of links	None	● 46
		Width	None	● .740
		Pitch	None	.500

ENGINE—VALVE SYSTEM

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

(Continued)

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (9)

MODEL	13100-300-500-13735		13200-400-600-13835
	230 Cu.In. L-6	250 Cu.In. L-6	283 Cu.In. V-8
	Standard	Optional (L22)	Standard

ENGINE—VALVE SYSTEM (cont.)

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

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Nozzle	(a)
	Cylinder walls	Conn. rod bearing throw off	Pressure jet cross spray

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

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (a)

MODEL	13100-300-500-13735		13200-400-600-13835
	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	238 Cu.In. V-8 Standard

ENGINE—LUBRICATION SYSTEM (cont.)

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

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single	Single with Crossover
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow	
Exhaust pipe dia. (O.D., wall thickness)	Branch	———	2.00x.084-.104(a)
	Main	2.00x.057-.071	2.00x.073-.091(a)
Tail pipe diameter (O.D. & wall thickness)		1.875 x .062 - .076	

ENGINE— CRANKCASE VENTILATION SYSTEM

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

(a) Laminated

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*)

MODEL

13100-300-500-13735				13200-400-600-13835	
230 Cu.In. L-6		250 Cu.In. L-6		283 Cu.In. V-8	
Mn'l Tr.	P/G Tr.	Mn'l Tr.	P/G Tr.	Mn'l Tr.	P/G Tr.

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)			Air injection				
Air Injection Pump	Type		Semi-articulated vane type				
	Displacement		19.3 cu. in.				
	Drive ratio		1.25:1				
	Drive type		Crankshaft pulley				
	Relief valve (type)		Pressure (plate type)				
	Filter (describe)		None (clean air drawn from air cleaner)				
Air Injection System	Air distribution (head, manifold, etc.)		Head			Manifold	
	Point of entry		Exhaust Ports				
	Injection tube I.D.		.2565				
	Check valve type		Pressure (plate type)				
	Backfire protection (type)		Vacuum actuated anti-backfire valve				
Carburetor	Make		Carter			Rochester	
	Model		3905975	3905976	3905975	3905976	7037101*	7037110*
	Barrel size		1.56				1.44	
	Idle speed	Drive	--	500	--	500	--	600
		Neutral	700	--	700	--	700	--
Distributor	Aux. Adv. Systems (type)		None				
	Make		Delco-Remy				
	Model		1110387		1110351		1111256	1111150
	Cent'fgal adv. in crank degrees @ eng. rpm.	Start (rpm)	950		900		900	900
		Intermed. points deg. @ rpm	17@2100		15@1600		15.5@1600	15@2000
		Max. deg.@rpm.	26@4000		28@2800		30@4100	28@4200
	Vacuum adv. in. crank degrees@ eng. rpm	Start (in Hg)	6				8	
		Intermed. points deg.@ in. Hg	None					
		Max. deg.@ in.	21@14.5				15.5	
	Vacuum Source		Carburetor					
Timing - Crank degrees @ rpm			4 BTDC @ Idle (a)		4 BTDC @ Idle (a)		TDC @ Idle	4BTDC@Idle (a)
Cooling System (describe changes)			195° Thermostat on 283 Cu. In.					
Exhaust System (describe changes)			None					

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

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

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

MODEL 13100-300-500-13735 | 13200-400-600-13835

	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

ENGINE—FUEL SYSTEM

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

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

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
13100 13300	230	3-Speed Powerglide	Rochester Rochester	7027003 7025000	One; single barrel down-draft	1.56
13500 13735	250	3-Speed Powerglide	Rochester Rochester	7026027 7026028	One; single barrel down-draft	1.56
13200 13400 13600 13835	283	3-Speed & 4-Speed Powerglide	Rochester Rochester	7027101(b) •7027114(c)	One; Two barrel down draft	1.44
			Air Conditioning	(b) 7027103 •(c) 7027116		

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

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (8) 1-27-67

MODEL

13100-300-500-13735		13200-400-600-13835
230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Pressure		
Radiator cap relief valve pressure			15 + 1 PSI		
Circulation thermostat	Type (choke, bypass)		Choke		
	Starts to open at (°F)		192°-198°		177°-183°
Water pump	Type (centrifugal, other)		Centrifugal		
	GPM @ 1000 pump rpm		60@4400		54@4400
	Number of pumps		One		
	Drive (V-belt, other)		V-Belt		
	Bearing type		Permanently lubricated double row ball		
By-pass recirculation type (internal, external)			Internal		
Radiator core type (cellular, tube and fin, other)			Tube on Center		
Cooling system capacity	With heater (qt.) ●		11	11	16
	Without heater (qt.) ●		10	10	15
	Opt. equipment-specify (qt.) ●		12	12	17
Water jackets full length of cylinder (yes, no)			Yes		
Water all around cylinder (yes, no)			Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, Molded		
		Inside diameter	1.75		
	Upper	Number and type (molded, straight)	One, Molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	None		
		Inside diameter	-		
Fan	Number of blades & spacing		4 staggered		
	Diameter		17.62		
	Ratio-fan to crankshaft rev.		.949:1		
	Fan cutout type		None		
	Bearing type		Double row ball		
*Drive belts (indicate belt used by letter)	Fan		A		D
	Generator or alternator		A		D
	Water Pump		A		D
	Power Steering		B		E
	Air Conditioning		C		F

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

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MODEL

	13100-300-500-13735		13200-400-600-13835
	230 Cu. In. L-6 Standard	250 Cu. In. L-6 Optional (L22)	283 Cu. In. V-8 Standard

ELECTRICAL—SUPPLY SYSTEM

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

ELECTRICAL—STARTING SYSTEM

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

(Continued)

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

MODEL	13100-300-500-13735 230 Cu.In. L-6 Standard	13100-300-500-13735 250 Cu.In. L-6 (Optional (L22)	13200-400-600-13835 @ 283 Cu.In. V-8 Standard

ELECTRICAL—STARTING SYSTEM (cont.)

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

ELECTRICAL—IGNITION SYSTEM

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

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

MODEL	13100-300-500-13735 230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	13200-400-600-13835 283 Cu.In. V-8 Standard

ELECTRICAL—SUPPRESSION

Locations & type	Non-metallic high tension ignition cables

ELECTRICAL—INSTRUMENTS AND EQUIPMENT

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

DRIVE UNITS—CLUTCH (Manual Transmission)

		230 Cu.In.		250 Cu.In.	283 Cu.In. V-8		
Make & type		3-Speed	3-Spd H.D.	3-Speed	3-Spd	4-Spd	3&4 Spd. H.D.
		Single dry disc			Single dry disc semi-centrifugal		
Type pressure plate springs		Diaphragm			Diaphragm-bent finger design		
Total spring load (lb.)		1650-1850	1900-2200	1650-1850	1750-2000	2100-2300	1700-1950
No. of clutch driven discs		One					
Clutch facing	Material	See below					
	Outside & inside dia.	9.12&6.12	10.0&6.0	9.12&6.12	10.0&6.5	10.4&6.5	11.0&6.5
	Total eff. area (sq. in.)	71.8	100.5	71.8	90.7	103.5	123.7
	Thickness	.135 each					
	Engagement cushioning method	Flat spring steel between facings					
Release bearing	Type & method of lubrication	Single row ball, packed and sealed					
Torsional damping	Methods: springs, friction material	Coil springs					

Woven type asbestos on all 3-Speed transmissions (molded asbestos on rear face of HD 230 Cu.In. engine); Premium-grade woven asbestos on 4-speed transmission.

(a) 131-13200 Models (Low note) 4.5-6.5 @ 12.5V.

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MAKE OF CAR CHEVELLE MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (2)

MODEL 13100-300-500-13735 | 13200-400-600-1383

	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

DRIVE UNITS—TRANSMISSIONS

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

DRIVE UNITS—MANUAL TRANSMISSION

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

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

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

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MODEL	13100-300-500-13735		13200-400-600-13835
	230 Cu.In. L-6 Standard	250 Cu.In. L-6 Optional (L22)	283 Cu.In. V-8 Standard

DRIVE UNITS—AUTOMATIC TRANSMISSION

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

DRIVE UNITS—PROPELLER SHAFT

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

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

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

DRIVE UNITS—PROPELLER SHAFT (cont.)

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

DRIVE UNITS—REAR AXLE

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

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

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

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

DRIVE UNITS—WHEELS

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

DRIVE UNITS—TIRES

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

BRAKES—SERVICE

		STANDARD	METALLIC (OPT)	FRT DISC (OPT)
Type (duo-servo, disc, balanced, etc.)		Duo-Servo 4-wheel hydraulic		Disc
Self adjusting (std., opt., N.A.)		Standard		
Hydraulic system type (single, dual, etc.)		Dual		
Power brake make & type (remote, integral, etc.)		Bendix, Delco-Moraine vacuum power unit assists master cylinder, integral		
Effective area (sq. in.) *		168.9	118.1	114.0
Gross lining area (sq. in.) **		168.9	118.1	118.1
Swept drum area (sq. in.) ***		268.6		332.4
● Percent brake effectiveness—front		59.4		58.5
Drum or Rotor	Diameter Front	9.5		11.0
	Diameter Rear	9.5		
	Type and material	Composite; Cast iron rim; steel web		Cast iron
	Rotor (vented or solid)	---		Vented
	No. pistons per caliper	---		4
Wheel cylinder bore	Front	1.125		2.0625
	Rear	.9375		
Master cylinder bore		1.00	.875	1.125
Available pedal travel		7.00		5.00
Line pressure at 100 lb. pedal load		786	1026	---
Shoe clearance adjustment		Self-adjusting		

* Excludes rivet holes, grooves, chamfers, etc.

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

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

(Continued)

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

BRAKES—SERVICE (cont.)

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

BRAKES—PARKING

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

FRAME

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

STEERING

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

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

STEERING (cont.)

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

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MODEL	13100-300-500-700 L6 230 Cu.In. & 250 Cu.In.	13200-400-600-800 V-8 283 Cu.In.

SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension)*

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

SUSPENSION—FRONT

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

SUSPENSION—REAR

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

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

BODY—MISCELLANEOUS INFORMATION

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

LAMP HEIGHT AND SPACING

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

* If single headlamps are used enter here.

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

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

CONVENIENCE EQUIPMENT

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

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

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WEIGHTS

Model	CURB WEIGHT - POUNDS Front	Rear	Total	% PASS. WEIGHT DISTRIBUTION 2 Pass. In Front Front	2 Pass. In Front Rear	* Pass. In Rear Front	* Pass. In Rear Rear	SHIPPING WEIGHT	
		230	283					230	283
		6-Cyl	8-Cyl					6-Cyl	8-Cyl
CHEVELLE 300									
131-13211 2-dr. sedan		3085	3220	32			68	2935	3070
131-13269 4-dr. sedan		3105	3240	32			68	2955	3090
CHEVELLE 300 Deluxe									
133-13411 2-dr. sedan		3100	3235	32			68	2955	3090
133-13435 4-dr. wagon		3385	3520	32			68	3230	3360
133-13469 4-dr. sedan		3125	3260	32			68	2980	3110
133-13480 sedan pickup		3115	3245	23			77	2960	3085
MALIBU									
135-13635 4-dr. wagon		3415	3550	32			68	3260	3390
135-13617 2-dr. coupe		3130	3260	39			61	2980	3115
135-13639 4-dr. sp.sedan		3200	3345	32			68	3065	3200
135-13667 2-dr. conv.		3200	3330	39			61	3050	3185
135-13669 4-dr. sedan		3145	3280	32			68	3000	3130
135-13680 sedan pickup		3130	3260	23			77	2975	3105
CONCOURS									
137-13835 4-dr. wagon		3425	3560	32			68	3270	3405

Accessories & Equipment Differential Weights		230 6-Cyl	283 8-Cyl
Air conditioning		+122	+122
Air Injection System		+19	+19
Brakes, disc		+33	+33
Brakes, power		+9	+9
Heater, (delete)		-24	-24
Radio, push button		+8	+8
Radio, Am/Fm Pushbutton		+9	+9
Seat, 4-way power		+20	+20
Steering, power		+29	+32
Transmission, powerglide		+10	+14
Transmission, 4-speed		--	+7
Transmission, overdrive		+27	+27
Windows, power		+21	+21

Remarks

* - 3 Pass. in rear Sedans & Wagons; 300 lb. load on pickup; 2 Pass. all other.

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