





**1973**

**Chevrolet**



# GENERAL

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# MODEL IDENTIFICATION

BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
B-CAR	BEL AIR	4-Dr. Sedan	1BK69	6
		4-Dr. Station Wagon	1BK35	2-Seat
		4-Dr. Station Wagon	1BK45	3-Seat
	IMPALA	4-Dr. Sedan	1BL69	6
		4-Dr. Sport Sedan	1BL39	6
		2-Dr. Sport Coupe	1BL57	6
		2-Dr. Custom Coupe	1BL47	6
		4-Dr. Station Wagon	1BL35	2-Seat
		4-Dr. Station Wagon	1BL45	3-Seat
	CAPRICE CLASSIC	4-Dr. Sedan	1BN69	6
		2-Dr. Custom Coupe	1BN47	6
		2-Dr. Convertible	1BN67	6
		4-Dr. Sport Sedan	1BN39	6
	CAPRICE ESTATE	4-Dr. Station Wagon	1BN35	2-Seat
		4-Dr. Station Wagon	1BN45	3-Seat

# SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

## VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

1	K	69	H	3	C	100001
						Sequential No.
						Assembly Plant (*)
						Model Year 1973
						Engine Type (**)
						Body Style (last two digits of model Number)
						Car line & Series (***)
						Make ("1" for Chevrolet)

*D - Doraville-GMAD	T - Tarrytown-GMAD
J - Janesville-GMAD	Y - Wilmington-GMAD
C - Southgate-GMAD	S - St. Louis-Chevrolet

Canadian Plant

No. 1 Oshawa

**D - L6-250 (100 H.P.)	Y - V8-454 (245 H.P.)
H - V8-350 (145 H.P.)	Passenger Vehicles
R - V8-400 (150 H.P.)	X - V8-454 (215 H.P.)
	Station Wagons

***K - Bel Air Models	N - Caprice Classic Models
L - Impala Models	

**EXAMPLE:** The twenty-fifth Chevrolet vehicle built at GMAD Southgate if it were a 1BK69 model (Bel Air Sedan) with a V8-350 (145 H.P.) engine would bear VIN number 1K69H3C100025.

Location . . . . . Stamped on plate attached to top left hand of instrument panel.

## TRANSMISSION IDENTIFICATION

Example: S3E01

Type	Source	Model Year	Production <sup>o</sup>
Designation	Designation	1973	Month & Date
R3	S (Muncie)	3	E01D*

R3	3-Speed	L-6 engine	S - Muncie
FD	Turbo Hydra-matic	V-8 engine	B - Cleveland Y - Toledo
CA	Turbo Hydra-matic	V-8 engine	- - Ypsilanti

Location:

3-Speed . . . . . Stamped on left side just below cover.

Turbo Hydra-matic (Chevrolet) . . . . . Stamped on right hand side of pan.

Turbo Hydra-matic . . . . . Nameplate tag on right hand side of the case.

<sup>o</sup>Month: E denotes May; (see below) 01 denotes 1st day Alpha Characters used in identifying the calendar Month

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

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

## ENGINE IDENTIFICATION

● Example: F1210CCL

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

Turbo-Thrift 250, 250 Cubic Inch L-6, Base Engine

CCL - Regular production engine, 3-speed

Turbo-Fire 350, 350 Cubic Inch V-8, Base Engine

CKL - Regular production engine, Turbo Hydra-matic

Turbo-Fire 350, 350 Cubic Inch V-8 (RPO-L48)

CKD - Optional, Turbo Hydra-matic, 4-bbl. carb.

Turbo-Fire 400, 400 Cubic Inch V-8 (RPO-LF6)

CSC - Optional, Turbo Hydra-matic, 2-bbl. carb.

Turbo-Jet 454, 454 Cubic Inch V-8 (RPO-LS4)

CWD - Optional, Turbo Hydra-Matic, 4-bbl. carb.

Location:

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

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

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

## REAR AXLE IDENTIFICATION

Location, Identification Number

Bottom left or right of axle tube adjacent to carrier housing.

# EXTERIOR EQUIPMENT

## STANDARD EXTERIOR EQUIPMENT SEDANS AND COUPES

	Bel Air	Impala	Caprice Classic
<b>FRONT</b>			
Windshield Reveal Moldings (F) . . . . .	X	X	X
Parking and Turn Lamps in Bumper (C) . . . . .	N	N	N
Chrome-plated Plastic Upper and Lower Grilles with Argent Accent . . . . .			N
Argent Upper and Lower Grilles, Bow Tie Emblem on Upper Grille . . . . .	N	N	
Grille Styled Headlight Frame and Bezel . . . . .	N	N	N
Concealed Windshield Wipers with Articulated Left Arm (F) . . . . .	X	X	X
'Chevrolet' Script on Left Side Of Header Panel . . . . .	N	N	
Caprice Emblem in Center of Header . . . . .			N
<b>SIDE</b>			
Front Fender Marker and Rear Quarter Marker Lamps (C) . . . . .	X	X	X
Front Fender 'Bel Air' Script Nameplate (C) . . . . .	X		
'Impala' Script Nameplate on Sail Panel . . . . .		Exc. 47	
'Impala' Script and 'Custom' Nameplate on Sail Panel . . . . .		47	
Rectangular 5" Outside L.H. Rear View Mirror (F) . . . . .	X	X	X
Rocker Panel Moldings—Bright (C) . . . . .	X	N	
Bright Lower Body Molding and Black Painted Rocker . . . . .			N
Body Side Molding—Bright (F, C) . . . . .		Exc. 47	
Body Side Molding with Black Vinyl Insert . . . . .	O	47§	O
Flush Door Handle—Bright (F) . . . . .	X	X	X
Sail Panel Caprice Classic Nameplate (F) . . . . .			N (Exc. 67)
Quarter Panel Caprice Classic Nameplate (F) . . . . .			N 67
Roof Rail Weatherstrip Moldings—Bright (F) . . . . .		47, 57, 39	39, 47
Wheel Trim Covers . . . . .	O, N	O, N	N
Rear Fender Opening Covers and Molding (C) . . . . .	O	O	X
Hub Caps (C) . . . . .	X	X	
Roof Drip Moldings—Bright (F) . . . . .	O	X	Exc. 67
Door Upper Frame Reveal Moldings—Bright (F) . . . . .		69	69
Wheel Opening Moldings—(F, C) . . . . .		47§	†
Rear Belt Molding (F) . . . . .			67
Roof Sail Panel Molding (F) . . . . .		47	47
<b>REAR</b>			
Deck Lid Name—"Chevrolet" (F) . . . . .	X	X	
Deck Lid Nameplate—"Caprice" with Bow-Tie (F) . . . . .			X
Rear Window Reveal Moldings—Bright (F) . . . . .	X	X	Exc. 67
Four Tail and Stop Lamps and Two Back-Up Lamps in Bumper (C) . . . . .		N	N
Two Tail and Stop Lamps and Two Back-Up Lamps in Bumper . . . . .	N		
Body Rear End Moldings . . . . .			X

- (F) Fisher Body Installed
- (C) Chevrolet Installed
- X Carryover from 1972
- N New for 1973
- O Optional Usage
- † Front wheels only.
- § Optional for other Impala models.

# EXTERIOR EQUIPMENT

## STANDARD EXTERIOR EQUIPMENT STATION WAGONS

	Bel Air	Impala	Caprice Estate
<b>FRONT</b>			
Windshield Reveal Moldings – Bright (F)	X	X	X
Parking and Turn Lamps in Bumper (C)	N	N	N
Chrome-plated Plastic Upper and Lower Grilles with Argent Accent			N
Argent Upper and Lower Grilles with Bow Tie Emblem on Upper Grille	N	N	
Grille Styled Headlight Frame and Bezel	N	N	N
Concealed Windshield Wipers With Articulated Left Arm (F)	X	X	X
Chevrolet Script on Left Side of Header	N	N	
Caprice Emblem in Center of Header			N
<b>SIDE</b>			
Front Fender Marker and Rear Quarter Marker Lamps (C)	X	X	X
Rectangular 5" Outside L.H. and R.H. Rear View Mirror (F)	X	X	X
Rocker Panel Moldings–Bright (C)	X	N	
Roof Drip Moldings–Bright (F)	O	X	X
Wheel Trim Covers – Caprice type (C)			X
Hub Caps (C)	X	X	
Flush Door Handle–Bright (F)	X	X	X
Door Upper Frame Reveal Moldings–Bright (F)		X	X
Wheel Opening Moldings–(F, C)		O	
Rear Quarter Window Reveal Molding–Bright (F)		X	X
Rear Quarter Window Reveal Molding–Painted (F)	X		
Body Side Wood-Grain Insert (New) and Lined Oak Border Moldings (F, C)			X
Rear Quarter Series Nameplate – 'Bel Air', 'Impala', and 'Caprice Estate'	N	N	N
Body Side Molding–Bright		N	
Body Side Molding with Black Vinyl Insert	O	O	
<b>REAR</b>			
Tailgate Nameplate – "Chevrolet" (F)	X	X	X
Tailgate Wood-Grain Insert (New) and Lined Oak Moldings (F)			X
Tailgate Window Scalp and Reveal Moldings–Bright (F)	X (a)	X	X
Tailgate Belt Molding–Bright (F)	X	X	X
Single Tail, Stop and Back-Up Lamps in Body (F)	X	X	X
Tailgate Lower Moldings–Bright (F)		X	
Tailgate Lift Handle – Bright (F)	X	X	X
Electric Tailgate Window Control–Bright (F)	X	X	X
Keyless Tailgate Release	X	X	X

(F) Fisher Body Installed

(C) Chevrolet Installed

X Carryover

N New

O Optional Usage

(a) Body color



# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT SEDANS AND COUPES

ROOF AND PILLARS	Bel Air	Impala	Caprice Classic
Headlining Vinyl Coated, "Premier" Perforated (F) . . . . .	X	X	Exc. 67
Rear View Mirror, 12" Prismatic-Textured Black Vinyl Clad (F) . . . . .	X	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted (F) . . . . .	X	X	X
Windlace-Woven Fabric (F) . . . . .	X	69	69
Windlace-Coated Fabric (F) . . . . .		Exc. 69	Exc. 69
Sunshade, Thin Padded, Non-Hook (F) . . . . .	X	X	Exc. 67
Sunshade, Thin Padded, Center Hook Type (F) . . . . .			67
Roof Side Rail Garnish Moldings-Painted Metal (F) . . . . .	X	X	X
Rear Window Moldings-Painted Metal (F) . . . . .		39,47,57	39,47
Rear Window Upper and Side Moldings-Plastic † (F) . . . . .	X	69	69
Windshield Garnish Moldings-Painted Metal (F) . . . . .	X	X	X
Center Pillar Lower Finish Panel, Molded Plastic (F) . . . . .	X	39, 69	39, 69
Center Pillar Upper Molding-Molded Plastic (F) . . . . .	X	69	69
Center Pillar Cover Molding-Plastic (F) . . . . .		39	39
Coat Hooks, Plastic-Trim Color (F) . . . . .	X	X	Exc. 67
Center Dome Light-Plastic (F) . . . . .	X	X	Exc. 67
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar (F) . . . . .	X	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar (F) . . . . .	X	X	X
Rear Door Jamb Switches (F) . . . . .			39, 69

(F) Fisher Body Installed  
 (C) Chevrolet Installed  
 † Lower molding painted metal  
 X Carryover from 1972

## STANDARD INTERIOR EQUIPMENT SEDANS AND COUPES

SEATS AND FLOOR COVERING	Bel Air	Impala	Caprice Classic
Front Seat Cushion and Backrest, Full Molded Foam (F) . . . . .	X	X	X
Rear Seat Cushion and Backrest, Full Molded Foam (F) . . . . .	X	X	X
Package Shelf Embossed Board (F) . . . . .	X	Exc. 47	39, 69
Package Shelf Woven Fiber (F) . . . . .		47	47
Folding Front Seat Back Locks—Bright (F) . . . . .		47, 57	47, 67
Front Seat Center Armrest (F) . . . . .			39, 69
Carpet—Floor Covering (F) . . . . .	X	X	X
Luggage Compartment Light (C) . . . . .	O	X	X
Luggage Compartment Spatter Paint (F) . . . . .	X	X	X
Luggage Compartment Mat—Vinyl Coated Cotton on Rayon Felt (F) . . . . .		N	N
Front Seat End Trim Panels—Bright (F) . . . . .			Exc. 67
Front and Rear Seat Belts (3 Sets EACH) (F) . . . . .	X	X	X
Locking Retractors for Front and Rear Seat Outboard Lap Belts (F) . . . . .	X	X	X
Front Seat Shoulder Harness (F) . . . . .	X	X	Exc. 67
Front Seat Head Restraints (F) . . . . .	X	X	X
<b>DOOR AND QUARTER PANEL (F)</b>			
Plastic Molded Front Door Lower Trim Panel, w/Armrest . . . . .	X	X	X, N (47)
Plastic Molded Door Upper Trim Panel . . . . .	X		
Plastic Molded Rear Door Lower Trim Panel, w/Armrest with Ash Tray . . . . .	X	39, 69	39, 69
Plastic Molded Door, Soft Trim Upper Panel . . . . .		N	N
Bale Type Door Handle Remote Control . . . . .	X	X	X
Quarter and Door Bead Trim Moldings . . . . .		X	X
Rear Quarter Panel Built-in Armrest and Ash Tray . . . . .		47, 57	47, 67
Window Control Handle Knobs, Clear Plastic . . . . .	X	X	X
Door Lock Buttons—Bright . . . . .	X	X	X
Door Trim Panel Carpet . . . . .			Exc. 67
Door Trim Panel Emblem . . . . .	X	X	67
Burl Elm Wood-Grain Door Panel Inserts, Bright Trim . . . . .		X	67
Aztec Wood Grain Door Panel Inserts, Bright Trim . . . . .			Exc. 67
Front and Rear Door Locks 2-Position Free Wheeling . . . . .	X	X	X
Front Door Pull Strap . . . . .			Exc. 67

(F) Fisher Body Installed  
 (C) Chevrolet Installed  
 X Carryover from 1972  
 N New for 1973  
 O Optional usage

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT SEDANS AND COUPES

INSTRUMENT PANELS AND STEERING WHEELS	Bel Air	Impala	Caprice Classic
Glove Compartment Light (C) . . . . .	X	X	X
Cigarette Lighter (C) . . . . .	X	X	X
Clock, Electric (C) . . . . .			X
Clock Hole Cover (C) . . . . .	X	X	
Instrument Panel Cluster, Black Symbol Type Knobs (C) . . . . .	X	X	X
Convertible Top Switch (C) . . . . .			67
Instrument Panel Pad—Upper (C) . . . . .	X	X	X
Instrument Panel Upper Trim Plate with Series Nameplate (C) . . . . .	X (a)	X (b)	N (c)
Ash Tray Face Plate—Painted (C) . . . . .	X	X	X
Windshield Wiper and Washer, Two Speed—Illuminated Control (C) . . . . .	N	N	N
Upper Ventilation Outlets and Controls—Black (C) . . . . .	X	X	X
Instrument Panel Courtesy Lights (C) . . . . .			X
Turn Signal and Shift Lever Knobs—Black (C) . . . . .	X	X	X
Steering Column Ignition Lock (C) . . . . .	X	X	X
Steering Wheel, Soft Vinyl Shroud and Rim — Black Shroud Insert and Chevrolet Nameplate (C) . . . . .	N	N	N (d)
Color-Keyed Steering Wheel, Shroud, and Column (C) . . . . .			N
Instrument Cluster Burl Elm Wood-Grain Trim (C) . . . . .			X
Dual Note Horn (C) . . . . .			N (†)
Single Note Horn (C) . . . . .	X	X	
Audio and Visual Lap Belt Warning System (C) . . . . .	X	X	X
<b>GLASS (F)</b>			
Windshield, Laminated Safety Plate Glass . . . . .	X	X	X
Backlight Safety Solid Plate Glass . . . . .	X	X	X
Side Windows, Safety Solid Plate Glass . . . . .	X	X	X
Convertible Rear Window, Tempered Glass . . . . .			67

(F) Fisher Body Installed

(C) Chevrolet Installed

X Carryover

N New

(a) Bright, black paint filled, Bel Air script.

(b) Bright, combination black paint and burl elm wood-grain, Impala script.

(c) Exc 67: Bright, aztec wood-grain, padded insert, no name.

67 only: Bright, full burl elm wood-grain, Caprice script.

(d) Exc 67: Specific shroud with aztec wood-grain, Classic name.

67 only: Burl elm wood-grain shroud insert with Chevrolet script.

(†) Interim 1972 change.

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT STATION WAGONS

ROOF AND PILLARS	Bel Air	Impala	Caprice Estate
Headlining Vinyl Coated, "Premier" Perforated (F) . . . . .	X	X	X
Rear View Mirror, 12" Prismatic-Textured Black Vinyl Clad (F) . . . . .	X	X	X
Rear View Mirror Support, Bonded to W/S Black Painted (F) . . . . .	X	X	X
Windlace-Woven Fabric (F) . . . . .	X	X	X
Sunshade, Thin Padded, Non-Hook (F) . . . . .	X	X	X
Windshield Garnish Moldings-Painted Metal (F) . . . . .	X	X	X
Roof Side Rail Garnish Moldings-Metal (F) . . . . .	X	X	X
Quarter Window Garnish Moldings-Painted Metal (F) . . . . .	X	X	X
Center and Rear Door Pillar Upper and Lower Finish Panels, Molded Plastic (F) . . . . .	X	X	X
Coat Hooks, Plastic-Trim Color (F) . . . . .	X	X	X
Center Dome Light-Plastic (F) . . . . .	X	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar (F) . . . . .	X	X	X
Front Door Jamb Switch for Dome Lamp, R.H. Pillar (F) . . . . .	X	X	X
Rear Door Jamb Switches (F) . . . . .			X
<b>SEATS AND FLOOR COVERING</b>			
Front Seat Cushion and Backrest, Full Molded Foam (F) . . . . .	X	X	X
Rear Seat Cushion and Backrest, Full Molded Foam (F) . . . . .	X	X	X
Third Seat Cushion and Backrest, Full Molded Foam . . . . .	X	X	X
Carpet-Floor Covering (F) . . . . .	X	X	X
Load Floor-Vinyl Coated Textured Metal (F) . . . . .	X	X	X
Storage Compartment Mat-Vinyl Coated Foam Rubber (F) . . . . .	45	45	X
Front and Rear Seat Belts (3 Sets Each)* (F) . . . . .	X	X	X
Locking Retractors for Front and Rear (2nd) Seat Outboard Lap Belts (F) . . . . .	X	X	X
Front Seat Shoulder Harness (F) . . . . .	X	X	X
Front Seat Head Restraints (F) . . . . .	X	X	X

(F) Fisher Body Installed  
(C) Chevrolet Installed

\*Two sets for third seat in 3 seat models.

# INTERIOR EQUIPMENT

## STANDARD INTERIOR EQUIPMENT STATION WAGONS

	Bel Air	Impala	Caprice Estate
<b>DOOR AND QUARTER PANEL (F)</b>			
Plastic Molded Front Door Lower Trim Panel, w/Armrest . . . . .	X	X	X
Plastic Molded Door, Upper Trim Panel . . . . .	X		
Plastic Molded Rear Door Lower Trim Panel w/Armrest and Ash Tray . . . . .	X	X	X
Plastic Molded Door, Soft Trim Upper Panel . . . . .		N	N
Bale Type Door Handle Remote Control . . . . .	X	X	X
Door Bead Trim Moldings . . . . .		X	X
Window Control Handle Knobs, Clear Plastic . . . . .	X	X	X
Door Lock Buttons—Bright . . . . .	X	X	X
Door Trim Panel Emblem . . . . .	X	X	X
Wood-Grain Door Panel Inserts, Burl Elm, Bright Trim . . . . .		X	X
Rear Quarter Sidewalls—Molded Plastic . . . . .	X	X	
Rear Quarter Sidewalls—Vinyl Trimmed . . . . .			X
Front and Rear Door Locks 2-Position Free Wheeling . . . . .	X	X	X
<b>INSTRUMENT PANEL AND STEERING WHEELS</b>			
Glove Compartment Light (C) . . . . .	X	X	X
Cigarette Lighter (C) . . . . .	X	X	X
Clock, Electric (C) . . . . .			X
Clock Hole Cover (C) . . . . .	X	X	
Instrument Panel Cluster—Black Symbol Type Knobs (C) . . . . .	X	X	X
Tailgate Window Switch (C) . . . . .	X	X	X
Instrument Panel Pad—Upper (F) . . . . .	X	X	X
Instrument Panel Upper Trim Plate with Series Nameplate (C) . . . . .	X (a)	X (b)	X (c)
Ash Tray Face Plate—Painted (C) . . . . .	X	X	X
Windshield Wiper and Washer, Two Speed—Illuminated Control (C) . . . . .	N	N	N
Upper Ventilation Outlets and Controls—Black (C) . . . . .	X	X	X
Instrument Panel Courtesy Lights (C) . . . . .			X
Turn Signal and Shift Lever Knobs—Black (C) . . . . .	X	X	X
Steering Column Ignition Lock (C) . . . . .	X	X	X
Steering Wheel, Soft Vinyl Shroud and Rim—Black Shroud Insert and Chevrolet Script (C) . . . . .	N	N	N (d)
Color-Keyed Steering Wheel, Shroud and Column (C) . . . . .			X
Instrument Panel Burl Elm Wood Grain Trim (C) . . . . .			X
Dual Note Horn (C) . . . . .			X
Single Note Horn (C) . . . . .	X	X	
Audio and Visual Lap Belt Warning System (C) . . . . .	X	X	X
<b>GLASS (F)</b>			
Windshield Laminated Safety Plate Glass . . . . .	X	X	X
Backlight, Safety Solid Plate Glass . . . . .	X	X	X
Side Windows, Safety Solid Plate Glass . . . . .	X	X	X

(F) Fisher Body Installed  
(C) Chevrolet Installed  
X Carryover  
N New

(a) Bright, black paint filled, Bel Air script.  
(b) Bright, combination black paint and burl elm wood-grain, Impala script.  
(c) Bright, full burl elm wood-grain, caprice script.  
(d) New burl elm wood-grain shroud insert with Chevrolet script.

## EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
● Air conditioning, Four-Season (See page 16 for content) . . . . .	C60	
● Air conditioning, Comfortron: automatic temperature control (See page 16) . . .	C61	
Battery, heavy duty . . . . .	T60	
Battery warmer . . . . .		ACC
Belts, seat and shoulder: in addition to or replacing standard belts.		
Deluxe belts: (replacing standard number of belts)		
Coupe and Sedan - 6 seat and 2 shoulder . . . . .	AK1	
Convertible - 6 seat . . . . .	A39	
Shoulder belts - 2 rear:		
(Convertible requires use of front shoulder belt accessory).		
For use when Custom Deluxe Belts are ordered . . . . .		ACC
Brakes, heavy duty . . . . .	J55	
Carpet, accent, Blue . . . . .	24F	
Carpet, accent, Red . . . . .	75F	
Carpet, Load floor, loose (All Wagons) . . . . .	B44	
Cap, locking Gas Filler . . . . .		ACC
Clock, electric (standard on Caprice Classic and Caprice Estate) . . . . .	U35	ACC
Compass . . . . .		ACC
Cover, luggage carrier - wagon . . . . .		ACC
Deflectors, rain, (4-door sedans & wagons - door "ventshades") . . . . .		ACC
● Dispenser, Tissue underseat . . . . .		ACC
Dome reading lamp . . . . .	C95	
Door edge guards (not available on Caprice Estate) . . . . .	B93	ACC
● Electric trunk release . . . . .		ACC
Fire extinguisher . . . . .		ACC
Floor mats color-keyed - 2 front, 2 rear . . . . .	B37	ACC
Front and rear bumper guards . . . . .	V30	ACC
Generator: 61-amp Delcotron . . . . .	K76	
Glass, Soft-Ray tinted: all windows (includes W/S radio antenna) . . . . .	A01	
Glass, windshield - tinted (Fleet only - includes radio antenna) . . . . .	A02	
● Harness, trailer wiring . . . . .		ACC
Heater, engine block . . . . .		ACC
Hitch, trailer . . . . .		ACC
Hitch, trailer, equalizing type . . . . .		ACC
Highway Emergency Kit - fire extinguisher, tire inflator, fuses . . . . .		ACC
Interior car warmer . . . . .		ACC
Lamp, portable spot . . . . .		ACC
Lighting, auxiliary: . . . . .	ZJ9	
Courtesy lights - Std, Caprice Classic and Caprice Estate . . . . .		
Luggage compartment light - Std, Impala and Caprice Classic Sedans and Coupes . . . . .		ACC
Ash tray light - Standard Caprice Classic and Caprice Estate . . . . .		ACC
Underhood light . . . . .		ACC
Dome reading lamp - Caprice Classic except Convertible and Caprice Estate . . . . .		
Litter container and tissue dispenser . . . . .		ACC
● Litter container, underseat unit . . . . .		ACC
Lock, rear door safety . . . . .		ACC
Mat, front floor full width . . . . .		ACC
Mat, rear load floor-wagon . . . . .		ACC
● Mirrors, Fender, for trailering (RH & LH) . . . . .		ACC
Mirror, rear view L.H. outside remote-control . . . . .	D33	
Mirror, RH (to match LH remote or standard unit - standard on Station Wagons) . . . . .		ACC
Molding, adhesive backed vinyl (38 ft. roll) . . . . .		ACC
Molding, Bright Roof Drip (Bel Air) . . . . .	B80	
● Molding, side - vinyl (2-17 ft. rolls - 5 colors) . . . . .		ACC
Moldings, body side - vinyl insert (Except Caprice Estate and Impala Custom) . . . . .	B84	ACC
Moldings, Wheel Opening (Impala except Impala Custom) . . . . .	B96	
● Police car equipment (See Page 15 for content) . . . . .		ACC
Chassis Equipment . . . . .	B07	
Body Equipment . . . . .	BY2	

# EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
Radiator, heavy duty	V01	
Radio equipment: Radios, Pushbutton - Includes concealed w/s antenna		
AM Radio	U63	ACC
AM/FM Radio	U69	ACC
AM/FM/Stereophonic Radio	U58	ACC
Citizens Band Radio - Six Channel plus antenna		ACC
Stereo Tape System with AM Radio	UM1	ACC
Stereo Tape System with AM/FM/Stereophonic Radio	UM2	ACC
Mast antenna, RH front fender		ACC
Speaker, rear seat (not available when stereo is ordered)	U80	ACC
Windshield antenna	U76	
Rear window defogger (forced air)	C50	ACC
Roof cover, vinyl (Black, White, Green, Blue, Neutral, Chamois and Maroon)	C08	
Roof luggage carrier-Wagon	V55	ACC
Seat, infant safety		ACC
● Seat, 50-50 front bench (Caprice Classic only)	AT8	
Shock absorbers, rear:		
Superlift	G66	
Ski Rack-roof mount		ACC
Skirts, rear fender. Standard on Caprice Classic	T58	
Speed control: (Cruise-Master)	K30	ACC
Steering wheel, Comfortilt	N33	
● Strips - impact - FR. and RR. bumper	VE5	
Suspension, special, front and rear	F40	
● Taxi-cab equipment (See Page 14 for content)	B02	
Theft Alarm Audio		ACC
Top, convertible: Optional colors	C05	
Two-Tone finish: includes bright metal outline moldings	D99	
Visor Vanity Mirror	D34	ACC
Wheel covers, full: (Not available on Caprice Classic and Caprice Estate)	P01	ACC
Wheel covers, simulated wire	N95	ACC
FACTORY-INSTALLED REGULAR PRODUCTION TIRES		
G78 x 15B bias belted ply blackwall - Except Wagon (Base)	QGS	
G78 x 15B bias belted ply white stripe - Except Wagon	QGT	
H78 x 15B bias belted ply blackwall - Except Wagon	QHL	
H78 x 15B bias belted ply white stripe - Except Wagon	QHM	
H78 x 15B Police nylon blackwall - Except Wagon (Incl. in RPO B07)	QHS	
L78 x 15B bias belted blackwall - Wagon (Base)	QLB	
L78 x 15B bias belted ply white stripe - Wagon	QLD	
L78 x 15D bias belted ply blackwall - Wagon	QLK	
L78 x 15D bias belted ply white stripe - Wagon	QLL	

## EXTRA COST EQUIPMENT

POWER TEAMS	RPO	ACC.
Turbo-Fire 350 V-8 (Standard on Bel Air Wagons and all Impalas) .....	L65	
Turbo-Fire 350 V-8 .....	L48	
Turbo-Fire 400 V-8 (Standard on Caprice Classic and Caprice Estate) .....	LF6	
Turbo-Jet 454 V-8 .....	LS4	
Turbo Hydra-matic (Standard except L-6 Bel Air Sedan) .....	M40	
Axle, Positraction .....	G80	
Axle, trailering ratio .....	YD1	
Axle, performance ratio .....	ZQ9	
<b>POWER ASSISTS</b>		
Door lock system, power .....	AU3	
Seat, power: 6-way front bench seat (Not available on Bel Air) .....	A42	
Seat (LH) - Power: 6-way front bench seat 50-50 .....	AG7	
Tailgate, power - Wagon .....	C26	
Windows, power (Not available on Bel Air) .....	A31	
Trunk opener (Sedans and Coupes) .....		ACC



# TAXI-CAB-RPO B02

- MODEL AVAILABILITY  
Bel Air 4-Door Sedan (1BK69)

## POWER TRAIN AVAILABILITY

<u>Engine</u>	<u>Transmission</u>	<u>Rear Axle</u>
350 Cu.In. V-8 2-Bbl	Turbo Hydra-matic	3.08:1

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

### BODY

- Heavy duty front and rear seat cushions
- Heavy duty black rubber full width floor mats, front and rear
- RH rear door inside pull handle
- Door open warning light on instrument panel for all doors
- Roof wiring

### CHASSIS

- Heavy duty body mounts
- Heavy duty front and rear suspension
- Heavy duty rear axle

### POWER TEAM

- Various heavier duty engine components
- Special duty transmission features
- 42-Amp Delcotron generator
- Heavy duty radiator

● **MODEL AVAILABILITY**

Bel Air 4-Door Sedan (1BK69)  
 Impala 4-Door Sedan (1BL69) and Sport Coupe (1BL57)  
 Bel Air Station Wagons (1BK35-45)  
 Impala Station Wagons (1BL35-45)

**POWER TRAIN AVAILABILITY**

<u>Engine</u>	<u>Transmission</u>	<u>Rear Axle</u>
350 Cu.In. V-8 (base)	Turbo Hydra-matic	3.42:1 +
350 Cu.In. V-8 (L48)*	Turbo Hydra-matic	3.42:1 +
400 Cu.In. V-8 (LF6)	Turbo Hydra-matic	3.42:1 +
454 Cu.In. V-8 (LS4) **	Turbo Hydra-matic	3.42:1 Wgns., 3.08 others

\*Sedans and Coupes only

+3.08 ratio included when Heavy Duty brakes (RPO J55) are specified for Sedans and Coupes

\*\*This engine (high speed pursuit package) includes for Sedans and Coupes:

- Special prop shaft balancing
- Rear stabilizer bar (standard on base station wagons)
- Heavy duty front and rear brakes (RPO J55)
- H78x15 nylon Police high-speed tires (except wagons)

**EQUIPMENT (Used in addition to or in place of standard equipment)**

**BODY**

Heavy duty body mounts

**CHASSIS**

- Special front and rear suspension
- Heavy duty rear axle
- Special firm control power steering
- Radio suppression equipment
- Heavy duty 15x6 wheels added for sedans and coupes (standard on station wagons)
- Special 140 MPH speedometer, 2 mph increments, increased accuracy

**POWER TEAM**

- Heavy duty engine
- Special automatic transmission features
- 42-Amp Delcotron Generator
- Heavy duty battery
- Heavy duty radiator
- Temperature controlled 7-blade fan

**MANDATORY OPTION (Required equipment that must also be ordered)**

**POLICE BODY EQUIPMENT (RPO BY2)**

- Heavy duty, low profile
- Full width, front and rear, black rubber floor mats reinforced in critical wear areas
- Urethane foam between roof inner and outer panels to support roof mounted police equipment up to 25 pounds.
- Roof wiring (four 12 ga. wires routed from above headlining to below instrument panel)

# AIR CONDITIONING

## ● COMFORTRON AUTOMATIC TEMPERATURE CONTROL (RPO C61)

Integral ~~air~~ cooling and heater system. Used only with RPO C60 system. Automatically controlled by pre-setting on instrument control panel. Control ~~assembly~~ consists of horizontal lever and vertical temperature wheel. ~~In-car~~ sensor located on instrument panel; ambient sensor located beneath ~~air~~ intake cowl.

## FOUR SEASON (RPO C60)

Integral ~~air~~ cooling and heater system. Manually controlled by two horizontal ~~levers~~ on instrument control panel plus 4-speed fan switch. Upper ~~lever~~ (mode selector control) uses vacuum supply and electrical switches to operate mode doors and compressor. Lower lever uses bowden ~~cable~~ to operate temperature door. Six air outlets: 2 center, 2 side, 2 ~~lower~~.

## BASIC COMPONENTS

Control ~~panel~~, evaporator, blower, condenser, receiver-dehydrator, refrigerant ~~(freon)~~ tank, air intake assembly and duct assembly for both systems. Comfortron also includes sensors, transducer and power servo unit for ~~automatic~~ operation.

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

### CHASSIS

Front ~~and~~ Rear Springs . . . . . Heavy duty

### POWER TRAINS

Fan ~~Blade~~ . . . . . 7 blade  
Fan ~~Clutch~~ . . . . . Thermomodulated fluid coupling  
Crankshaft Pulley . . . . . Single three groove pulley  
Water ~~Pump~~ & Fan Pulley . . . . . Single  
Compressor & Crankshaft Belt . . . . . One  
Generator . . . . . 61 Ampere  
Radiator . . . . . Heavier duty

# DIMENSIONS AND WEIGHTS



**INTERIOR DIMENSIONS** ..... 2  
**LUGGAGE CAPACITY** ..... 2  
**STATION WAGON CARGO SPACE** ..... 2  
**EXTERIOR DIMENSIONS** ..... 3  
**VEHICLE WEIGHTS** ..... 4 & 5

# INTERIOR DIMENSIONS

## FRONT COMPARTMENT

CODE	DESCRIPTION	SEDAN		COUPES		CONVERT- IBLE	STATION WAGON
		Std.	Sport	Sport	Custom		
H-3	Seat cushion height			11.0			10.9
H11	Entrance height	30.9	30.7	30.6		30.9	30.9
H13	Steering wheel thigh clearance			4.2			3.8
H30	H point to heel point			8.2			
H32	Seat cushion deflection			3.8			4.2
H50	Upper body opening to ground	50.0	49.8	49.7		50.0	50.7
H58	H point rise			0.8			
H61	Effective headroom	38.9	38.4	38.1		38.9	39.6
H70	H point to body O line			13.1			
H75	Effective 'T' point headroom	39.1	38.6	38.3		39.1	39.8
W3	Shoulder room			64.3			
W5	Hip room			62.0			
L7	Steering wheel torso clearance			13.1			13.1
L17	H point travel			5.8			
L34	Effective leg room			42.5			42.3

## REAR COMPARTMENT

H8	Seat cushion height	13.6		13.8			14.0
H12	Entrance height	31.0	30.3	---			30.3
H31	H point to heel point		11.2	10.8			12.0
H33	Seat cushion deflection		3.6	4.2			4.4
H51	Upper body opening to ground	49.2	48.5	---			50.8
H63	Effective headroom	38.0	37.4	37.1		38.1	39.4
H71	H point to body O line		12.6	12.2			13.5
H76	Effective 'T' point headroom	37.9	37.4	37.1		37.0	39.3
W4	Shoulder room	63.5	63.3	62.1		61.7	63.5
W6	Hip room		61.9	56.2			62.2
L3	Rear compartment room		28.9	26.5			29.5 (d)
L50	H point couple distance		36.1	33.1			34.6
L51	Effective leg room		38.8	35.8			39.4 (e)

## STATION WAGON THIRD SEAT

W85	Shoulder room						48.8
W86	Hip room						48.2
H86	Effective headroom						37.8
L86	Effective leg room						35.6
L87	Knee room						7.8

## LUGGAGE COMPARTMENT

H195	Liftover height	27.5	27.6	27.1	27.0	27.2	
V1	Usable luggage capacity (cu.ft.) (+)	20.5			19.5	14.4	

## STATION WAGON CARGO SPACE

H201	Maximum cargo height						30.6
H202	Rear opening height						29.5
H250	Tailgate to ground height						23.7 (f)
W200	Cargo width-front						63.4
W201	Cargo width-wheelhouse						48.8
W203	Rear opening width at floor						48.8
W204	Rear opening width at belt						42.0
W205	Rear opening width above belt						42.0
L200	Maximum cargo length-front seat						100.0
L201	Maximum cargo length-second seat						58.3 (a)
L202	Cargo length at floor-front seat						100.5
L203	Cargo length at floor-second seat						58.9 (b)
L204	Cargo length at belt-front seat						94.6
L205	Cargo length at belt-second seat						55.6 (c)
V2	Total cargo index volume (cu.ft.)						106.4

3-Seat Station Wagon (a) 65.1 (d) 27.5

(b) 65.7 (e) 37.4

(c) 57.6 (f) 22.3

(+) Corporation "H-Shoe Box" method of measurement is used.

# EXTERIOR DIMENSIONS

## LENGTHS

CODE	DESCRIPTION	SEDANS		COUPES		CONVERT- IBLES	STATION WAGON
		Std.	Sport	Sport	Custom		
L101	Wheelbase			121.5			125.0
L102	Tire size (standard)			G78-15			L78-15
L103	Overall length			221.9			226.8
L104	Overhang, front			43.4			
L105	Overhang, rear			57.0			58.4
-	Overall length - less bumpers			212.6			220.1
L127	Body O line to C/L of rear wheels			100.5			104.0
L128	Hood length at centerline			60.4			

## WIDTHS

W101	Tread - front			64.1			
W102	Tread - rear			64.0			
W103	Maximum overall width of car			79.5			
W106	Front fender overall width			78.8			
W107	Rear fender overall width			79.6			79.8
W120	Overall car width, front doors open	141.0		161.5			141.0
W121	Overall car width, rear doors open	145.1		-			145.1

## HEIGHTS

H101	Overall height (design)	54.5		53.7			58.3(a)
H102	Front bumper to ground			12.1			12.7(b)
H104	Rear bumper to ground			13.0			12.8(b)
H111	Rocker panel to ground - rear			7.6			8.9
H112	Rocker panel to ground - front			8.2			9.1
H114	Hood at rear to ground			38.4			39.2
H115	Step height - front (design)			12.7			13.7
H116	Step height - rear (design)	12.4		--			13.5
H125	Headlamp to ground			25.8			26.3(c)
H126	Tail lamp to ground			23.2			28.3(c)
H136	Body O line to ground - front			6.0			6.7
H137	Body O line to ground - rear			5.6			7.0

## CLEARANCES

H106	Angle of approach (degrees)			16.2			16.5(d)
H107	Angle of departure (degrees)			13.4			13.8(e)
H147	Ramp breakover angle (degrees)			11.1			11.5(f)
H148	Front suspension to ground			6.0			6.8
H149	Oil pan to ground			5.8			6.5
H150	Flywheel housing to ground			5.9			6.7
H151	Frame to ground			6.5			7.6
H152	Exhaust system to ground			5.6			6.4
H153	Rear axle to ground			7.3			7.9
H154	Fuel tank to ground			7.4			10.4
H155	Tire well to ground			--			8.4
H156	Minimum ground clearance			5.6			6.4
-	Location			H152			H152

- (a) 3-Seat Wagons - H101 - 57.5
- (b) 3-Seat Wagons - H102 - 12.9, H104 - 11.3
- (c) 3-Seat Wagons - H125 - 26.6, H126 - 27.0
- (d) 3-Seat Wagons - H106 - 17.2
- (e) 3-Seat Wagons - H107 - 11.3
- (f) 3-Seat Wagons - H147 - 10.6

# VEHICLE WEIGHTS

MODEL TYPE		VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
MODEL DESIGNATION	BASE ENGINE		Front	Rear	Total	Front	Rear	Total
1BK69	250 Cu.In. L6	4-Door Sedan	2144	1764	3908	2115	1926	4041
1BK35	350 Cu.In. V8 (L65)	4-Door Station Wgn., 2-Seat	2307	2434	4741	2281	2575	4856
1BK45	350 Cu.In. V8 (L65)	4-Door Station Wgn., 3-Seat	2302	2492	4794	2276	2633	4909
1BL69	350 Cu.In. V8 (L65)	4-Door Sedan	2321	1830	4151	2292	1992	4284
1BL39	350 Cu.In. V8 (L65)	4-Door Sport Sedan	2306	1869	4175	2277	2031	4308
1BL47	350 Cu.In. V8 (L65)	2-Door Custom Coupe	2295	1828	4123	2266	1990	4256
1BL57	350 Cu.In. V8 (L65)	2-Door Sport Coupe	2294	1815	4109	2265	1977	4242
1BL35	350 Cu.In. V8 (L65)	4-Door Station Wgn., 2-Seat	2321	2445	4766	2295	2586	4881
1BL45	350 Cu.In. V8 (L65)	4-Door Station Wgn., 3-Seat	2320	2511	4831	2294	2652	4946
1BN69	400 Cu.In. V8 (LF6)	4-Door Sedan	2351	1838	4189	2322	2000	4322
1BN39	400 Cu.In. V8 (LF6)	4-Door Sport Sedan	2341	1880	4221	2312	2042	4354
1BN47	400 Cu.In. V8 (LF6)	2-Door Custom Coupe	2326	1830	4156	2297	1992	4289
1BN67	400 Cu.In. V8 (LF6)	2-Door Convertible	2341	1863	4204	2312	2025	4337
1BN35	400 Cu.In. V8 (LF6)	4-Door Station Wgn., 2-Seat	2351	2471	4822	2325	2612	4937
1BN45	400 Cu.In. V8 (LF6)	4-Door Station Wgn., 3-Seat	2346	2536	4882	2320	2677	4997

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment, including grease, oil and (4) gallons of gasoline, and engine coolant to capacity.

CURB WEIGHT: Shipping weight plus gasoline to capacity.

# VEHICLE WEIGHTS

## OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT
C60	Air Conditioning 4-Season	Used with V8 L48/L65/LF6	+103
		Used with V8 LS4	+109
C61	Air Conditioning Comfortron	Used with V8 L48/L65/LF6	+107
		Used with V8 LS4	+113
AU3	Electric Door Locks	2-Door Models	+ 8
		4-Door Models	+ 13
A31	Power Windows	2-Door Models	+ 20
A42	Power Seat	4-Door Models exc 1BK69,35,45	+ 24
AT8	Front Seat 50/50 Bench	All exc. 1BK69	+ 20
		Models 1BN39-69	+ 39
B37	Front and Rear Floor Mats	Model 1BN47	+ 28
			+ 11
C08	Vinyl Roof Cover	All except Station Wagons	+ 7
		Station Wagons	+ 9
F40	Heavy Duty Front and Rear Suspension	1BK69 and L22	+ 14
		1BK69 and LF6/LS4/L48	+ 16
		1BK35-45-1BL00-1BN00	+ 18
N95	Wire Wheel Trim Covers	1BK-1BL00 Models	+ 22
		1BN00 Models	+ 18
T60	Heavy Duty Battery		+ 14
U63	Radio AM Pushbutton		+ 6
U69	Radio AM/FM Pushbutton		+ 8
U58	Radio AM/FM Stereo		+ 18
UM1	Radio AM Pushbutton and Tape		+ 22
UM2	Radio AM/FM Pushbutton and Tape		+ 22
VE5	Bumper Impact Strip, PVC front and rear (Includes V30 bumper guards)	All exc. Station Wagons	+ 25
		Station Wagons	+ 16
V55	Roof Luggage Carrier	Station Wagons	+ 21
L65	350 Cu. In. V8 Engine	1BK69	Turbo Hydra-matic
			+208
L48	350 Cu. In. V8 Engine	1BK69	+250
		1BL39-47-57-69	Turbo Hydra-matic
LF6	400 Cu. In. V8 Engine		+132
		1BK69	Turbo Hydra-matic
LS4	454 Cu. In. V8 Engine	1BK35-45-1BL35-45-47	+222
			+104
LS4	454 Cu. In. V8 Engine	1BK69	+464
		1BL39-47-57-69	+256
		1BN39-47-67-69	+242
		1BK35-45-1BL35-45	+246
		1BN35-45	+232





# BODY



EXTERIOR PAINT PROCESS . . . . .	2
EXTERIOR-INTERIOR COLORS . . . . .	3, 4, 5
BODY CONSTRUCTION AND GLASS AREA . . . . .	6

## EXTERIOR PAINT PROCESS

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

## EXTERIOR-INTERIOR COLORS

### EXTERIOR COLOR – VINYL ROOF COMBINATIONS

BODY LOWER		OPTIONAL VINYL ROOF COLOR						
COLOR CODE	PAINT COLOR	Black	White	Med. Green	Med. Blue	Light Neutral	Chamois	Maroon
11	White	X	X	X	X		X	X
19	Black	X	X			X	X	
24	Medium Blue Metallic	X	X		X			
26	Bright Blue Metallic	X	X					
29	Dark Blue Metallic	X	X		X			
42	Dark Bright Green Metallic	X	X					
44	Light Green Metallic	X	X	X				
46	Dark Green Gold Metallic	X	X			X		
48	Dark Green	X	X	X		X		
56	Chamois	X	X				X	
60	Yellow Orange Metallic	X	X			X		
64	Silver Taupe Metallic	X	X					X
66	Taupe Metallic	X	X			X	X	
68	Brown Metallic	X	X			X		
74	Red Metallic	X	X			X		X
81	Yellow Beige	X	X				X	

# EXTERIOR-INTERIOR COLORS

## 1973 CHEVROLET "B" INTERIOR - EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM										
		Black						Medium Blue	Midnight Blue			
		Cloth	* Sport Cloth /Black	* Sport Cloth /Red	Knit Cloth	Vinyl	Knit Vinyl	Cloth	Cloth	Knit Cloth	Vinyl	
Bel Air - 1BK00 Sedan (69)	Bench.	803					804	810				
Station Wagons (35-45)												
Impala - 1BL00 Sedan (69)		805	802	802		806			812		813	
Sport Sedan (39)		805	802	802		806			812		813	
Sport Coupe (57)		805	802	802		806			812		813	
Custom Coupe (47)		805	802	802		806			812		813	
Station Wagons (35-45)						806					813	
Caprice Classic - 1BN00 Sedan (69)						840					843	
		50-50				840					843	
Sport Sedan (39)		Bench				840					843	
		50-50				840					843	
Custom Coupe (47)		Bench				840					843	
		50-50				840					843	
Convertible (67)		Bench										
Station Wagons (35-45)		Bench						806			813	
EXTERIOR COLOR		Color Code										
White C/O		11	X	X		X			X		X	
Black C/O	19	X	X		X			X		X		
Medium Blue Metallic	24	X			X			X		X		
Bright Blue Metallic	26	X			X			X		X		
Dark Blue Metallic	29	X			X			X		X		
Dark Brt. Green Metallic	42	X			X			X		X		
Light Green Metallic	44	X			X							
Dark Green Gold Metallic	46	X			X							
Dark Green	48	X			X							
Chamois	56	X			X							
Yellow Orange Metallic	60	X			X							
Silver Taupe Metallic	64	X	X		X			X		X		
Taupe Metallic	66	X			X							
Brown Metallic	68	X			X							
Red Metallic	74	X	X		X							
Yellow Beige	81	X			X							
TWO TONE		Color Code										
Lower	Upper											
Med. Blue Met.	White	24-11	X			X		X		X		
Dk. Blue Met.	White	29-11	X			X		X		X		
Lt. Green Met.	White	44-11	X			X						
Dk. Green Gold Met.	White	46-11	X			X						
Dark Green	White	48-11	X			X						
Chamois	White	56-11	X			X						

\* Accent carpet color. Obtained by specifying trim number plus Accent Carpet RPO number  
19F - Black, 75F - Red, or 24F - Blue.

NOTE: Excepting models with vinyl roof or convertible top, solid exterior color and non-recommended interior trim combinations may be had when RPO ZP2 override is specified.

# EXTERIOR-INTERIOR COLORS

## 1973 CHEVROLET "B" INTERIOR - EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM													
		Light Neutral			Dark Green				Dark Saddle		Dark Ox-blood	White			
		Cloth	Vinyl	Knit Vinyl	Cloth	Knit Cloth	Vinyl	Knit Vinyl	Vinyl	Knit Vinyl	Knit Cloth	Vinyl /Black	Vinyl /Red	Vinyl /Blue	
Bel Air - 1BK00 Sedan (69)	Bench				828			827							
Station Wagons (35-45)				817						825					
Impala - 1BL00 Sedan (69)		815	818		829			830							
Sport Sedan (39)		815	818		829			830							
Sport Coupe (57)		815	818		829			830							
Custom Coupe (47)		815	818		829			830							
Station Wagons (35-45)			818					830		826					
Caprice Classic - 1BN00 Sedan (69)		841				842						836			
		50-50	841			842						836			
Sport Sedan (39)		Bench	841			842						836			
	50-50	841			842						836				
Custom Coupe (47)	Bench	841			842						836				
	50-50	841			842						836				
Convertible (67)	Bench		818				830					816	816	816	
Station Wagons (35-45)	Bench		818				830		826						
EXTERIOR COLOR		Color Code													
White C/O	11		X				X		X	X	X	X	X	X	
Black C/O	19		X				X		X	X	X	X	X	X	
Medium Blue Metallic	24		X								X			X	
Bright Blue Metallic	26		X								X			X	
Dark Blue Metallic	29		X								X			X	
Dark Brt. Green Metallic	42		X				X				X				
Light Green Metallic	44		X				X				X				
Dark Green Gold Metallic	46		X				X				X				
Dark Green	48		X				X			X	X				
Chamois	56		X				X			X	X				
Yellow Orange Metallic	60		X							X	X				
Silver Taupe Metallic	64		X				X			X	X	X	X	X	
Taupe Metallic	66		X							X	X				
Brown Metallic	68		X							X	X				
Red Metallic	74		X								X	X	X		
Yellow Beige	81		X				X			X	X				
TWO TONE		Color Code													
Lower	Upper														
Med. Blue Met.	White	24-11	X												
Dk. Blue Met.	White	29-11	X												
Lt. Green Met.	White	44-11	X				X								
Dk. Green Gold Met.	White	46-11	X				X								
Dark Green	White	48-11	X				X			X					
Chamois	White	56-11	X				X			X					

\* Accent carpet color. Obtained by specifying trim number plus Accent Carpet RPO number  
 19F - Black, 75F - Red, or 24F - Blue.

Note: Excepting models with vinyl roof or convertible top, solid exterior color and non-recommended interior trim combinations may be had when RPO ZP2 override is specified.

# 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 tender skirts. Double panel roof construction with integral front and rear headers and side rails.

## DOORS AND LOCKS

Door construction . . . . . Double steel panels, with side guard beam. Doors hinged at front.  
 Door handles . . . . . Pull-type exterior. Free-wheeling inside door handles on all doors.  
 Front door glass . . . . . Full ventless windows on all models.

## 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.  
 Hood release . . . . . Internal; to left of steering column under instrument panel.

## VENTILATION

High level air intake for passenger compartment . . . . . With double wall plenum chamber. Astro Ventilation with instrument panel outlets standard on all.  
 Flow through ventilation . . . . . Air enters cowl plenum thru louvers in the hood and passes into the passenger compartment thru two upper level vents in the instrument panel and a lower vent below the panel. To assure constant flow, the heater blower moves air thru the lower vent whenever the ignition is on and the engine coolant is 95°F or higher. To exit, air passes under the rear seat cushion into the trunk, and rear quarters to battle type outlets on door lock pillars.

## WINDSHIELD WIPERS AND WASHERS

Type . . . . . Concealed dual 2-speed electric with 18" blades  
 Linkage . . . . . Parallel acting with articulated left arm.

HEADLIGHTS . . . . . Dual, horizontal at outer ends of grille above deep section bumper.

## SPARE TIRE AND TOOLS

Location . . . . . Sedans and Sport Coupes, angled on center of shelf in trunk compartment; Station wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Convertible, right side of trunk compartment rearward of wheelhouse. Tools consist of bumper jack with combination lever handle and wheel nut wrench mounted on diagonal brace in R.H. wheelhouse.

## SEATS, STATION WAGON (3-seat models)

Second . . . . . 2/3, 1/3 split to allow access to third seat  
 Third . . . . . Forward facing

## STATION WAGON REAR WINDOW & TAILGATE

Operation . . . . . Gate moves downward into recess in load floor. Window moves upward into roof cavity.  
 Power tailgate window . . . . . Standard  
 Power tailgate . . . . . Optional  
 Storage compartment . . . . . Hidden under load floor

## BODY GLASS VISIBILITY AREA

	MODELS					
	19	20	27	27	27	35-45
Windshield	1542.7		1511.4		1445.1	1542.7
Front Door Window	773.5	873.4	1124.6		1149.2	773.5
Rear Door window	736.6	684.4	-	-		845.9
Rear Quarter Window	-	-	343.4	434.8	382.7	1646.3
Rear Window	1531.3	1763.1	1470.0	881.9	738.1	882.1
Total Area (sq. in.)	3584.1	4832.0	4449.4	3952.7	2715.1	6090.5

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

# CHASSIS

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# FRAME AND FRONT SUSPENSION

## FRAME

Description . . . . . All-welded perimeter frames with front and rear crossmember for all models: rear axle upper control arm crossmember for sedans, coupes and convertible; center crossmember for wagons.

Construction . . . . . All box section front end assemblies. Open channel center rails for sedans and coupes, box section for convertible and wagons. Open channel kickup for wagons, box section for sedans, coupes and convertible. Front crossmember rear braces for all models. front braces for wagons.

### Body Mounting

Coupe, Sedan & Convertible . . . . . 7 each side of frame - 12 double cushion and 2 single cushion  
 Station Wagons . . . . . 6 each side of frame - 12 double cushions

## FRONT SUSPENSION

Description . . . . . Independent, SLA type with coil springs and concentric shock absorbers and spherical joint steering knuckle pivots for each wheel.

### Wheel travel (design)

Total . . . . . 7.63  
 Jounce . . . . . 3.32  
 Rebound . . . . . 4.31  
 Wheel to spring, travel ratio . . . . . 2.05:1

## CONTROL ARMS

Description . . . . . Reinforced steel stamping with pre-loaded, steel encased rubber bushings at pivot.

## STEERING KNUCKLES

Description . . . . . Nodular iron with integral steering arm

### Spindle diameters

Inner bearing . . . . . 1.37455  
 Outer bearing . . . . . 0.84325

Spindle thread size . . . . . 3/4 - 20UNEF-3A (modified)

### Wheel bearing

Type . . . . . Taper roller  
 Number . . . . . Two per spindle

## SPHERICAL JOINTS

Type . . . . . Ball studs, upper self-adjusting for wear, lower has a wear indicator

### Bearing surfaces

Upper . . . . . Two bearings: upper surface  
 . . . . . teflon coated phenolic; lower  
 . . . . . surface teflon cotton composition  
 Lower . . . . . One bearing: steel

## SHOCK ABSORBERS

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

## STABILIZER BAR

(Exc. Bel Air Sedan with L-6)

Type . . . . . Link  
 Material . . . . . HR steel  
 Diameter  
 Exc. Wagons . . . . . 0.94  
 Station Wagons . . . . . 1.00

## FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) . . . . . Left  $P1 \pm 1$ ; Right  $P1/2 \pm 1$   
 Caster (degrees) . . . . .  $P1 \pm 1$   
 Toe-in (total) . . . . .  $1/16 \pm 1/8$   
 Steering axis inclination (degrees) . . . . .  $9.59 @ 1^\circ$  camber

## GENERAL SUSPENSION PROVISIONS

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

# FRAME AND FRONT SUSPENSION

## FRONT SPRINGS

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

### FRONT SPRINGS SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs./inch)	Heights	
						Free	Working (In. @ Lbs.)
3988116 (a)	BH	146.09	.698	9.82	365	17.26	11.0 @ 2275
3988117 (a)	BJ	147.68	.700	9.92	365	17.47	11.0 @ 2350
3988118 (a)	BK	149.28	.703	10.02	365	17.67	11.0 @ 2425
3988119 (a)	BL	154.01	.710	10.32	365	17.88	11.0 @ 2500
3988126 (a)	BW	148.23	.719	9.92	400	17.30	11.0 @ 2510
3988127 (a)	BX	151.40	.724	10.12	400	17.50	11.0 @ 2590
3988134 (b)	BZ	137.62	.719	9.22	440	16.10	11.0 @ 2230
3988135 (b)	JW	137.65	.719	9.22	440	16.30	11.0 @ 2320
3988136 (c)	JA	142.41	.727	9.52	440	16.50	11.0 @ 2410
3988137 (c)	JX	144.01	.730	9.62	440	16.71	11.0 @ 2500
3988138 (c)	JY	145.67	.733	9.72	440	16.91	11.0 @ 2590
3988139 (c)	JZ	148.81	.738	9.92	440	17.12	11.0 @ 2680
3988150 (a)	JV	146.39	.760	9.72	500	16.63	11.0 @ 2800
3988277 (a)	BY	153.0	.726	10.22	400	17.70	11.0 @ 2670

- (a)—Coupe, Sedan and Convertible
- (b)—Station Wagons
- (c)—All models

# STEERING, DRIVELINE, WHEELS AND TIRES

## STEERING

Wheel	
Type	Oval, with center shroud
Diameter	15.25 x 14.75
Optional	Tilt; steering shaft universally jointed at base of steering wheel
Column	Energy absorbing - mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions
Gear - Power (Standard)	
Type	Integral, recirculating ball nut, with hydraulic pressure provided from a vane type pump.
Ratios, Gear	15.0:1 on center to 13.0:1
Ratios, Overall	17.2:1 on center to 14.0:1
Number of turns, lock to lock	3.06
Linkage	Parallelogram, front of wheels
Turning Diameter (ft.) - Outside Front	
Wall to Wall	
Sedan and Coupes	45.2
Station Wagons	46.2
Curb to Curb	
Sedan and Coupes	41.7
Station Wagons	42.8
Outside wheel angle with inside wheel @ 20°	18.58

## DRIVELINE

Type	
Sedans, Coupes and Convertible	Straight tube
Station Wagons	Swaged tube
Number Used	One
Diameter (OD)	
Sedans, Coupes and Convertible, Auto. Trans.	2.75
Remainder	3.25
Length, 3-Speed Manual (Bel Air sedan only)	59.49
Length Automatic Trans.	
Sedans, Coupes and Convertible	56.49
Station Wagon	59.74
Wall Thickness	0.065

## DRIVELINE - Cont'd.

Propeller Shaft Damper	
Station Wagon	Internal
Universal Joints	
Type	
Sedans, Coupes and Convertible (Rear)	Constant velocity
Sedans, Coupes and Convertible (Front)	Cross
Station Wagon (Front & Rear)	Cross
Number Used	Two
Bearings	Pre-pack, anti-friction

## WHEELS

Type	Short spoke spider
Size	15 x 6
Offset	0.34
Attachment to Hub	
Type	5 hex nuts
Thread Size	1/2-20 UNF 2B
Boit Circle Diameter	5.00

## TIRES, STANDARD EQUIPMENT

Construction	Bias belted
Size - Sedans, Coupes and Convertible	
G78 x 15B	base
Static Loaded Radius	12.7
Loaded rev/mi @ 45 mph	750
Capacity @ 24 psi	1380
H78 x 15B	Optional
(base when V8-454 engine is ordered)	
Static loaded radius	13.00
Loaded rev/mi @ 45 mph	734
Capacity @ 24 psi	1510
Size (Station Wagons)	
L78 x 15B	base
Static loaded radius	13.3
Loaded rev/mi @ 45 mph	705
Capacity @ 24 psi	1680
L78 x 15D	Optional
Static loaded radius	13.40
Loaded rev/mi @ 45 mph	705
Capacity @ 24 psi	1680

## REAR AXLE AND SUSPENSION

### REAR AXLE

Description	Semi-floating axle shafts; housing consists of two welded tubes pressed into crossbore of cast iron differential carrier. Carrier contains an overhung hypoid drive pinion and supported by two taper roller bearings.
Drive pinion to ring gear vertical offset	1.75
Hypoid gear PD (See Power Train Section, page 2, for application)	
2.73, 3.08, 3.42	8.50
2.73, 3.08, 3.42	8.875
Pinion bearing adjustment	Shim
Lubricant	
Type	Military Spec. MIL-L-2105-B
Viscosity	SAE80
Capacity (pts)	
8.50 Hypoid gear P.D.	4.25
8.875 Hypoid gear P.D.	4.90

### AXLE SHAFT

Type	Forged and hardened steel with integral drive flange
Wheel bearings	Single row cylindrical roller, one per wheel
Oil seal	Steel encased, spring loaded synthetic rubber

### RING AND PINION GEAR TOOTH COMBINATIONS

8.50 Ring gear diameter (All axle combinations for Sedans, Coupes and Convertible except trailer option)	
2.73	41.15
3.08	40.13
3.42	41.12

### RING AND PINION GEAR TOOTH COMBINATIONS

8.875 Ring gear diameter (All Station Wagons, Trailer Options, and 454 CID engines)	
2.73	41.15
3.08	40.13
3.42	41.12

### POSITRACTION DIFFERENTIAL (See Power Trains)

Type	Two pinion with multiple disc clutch
------	--------------------------------------

### REAR SUSPENSION, REGULAR PRODUCTION

Description	
Sedans & Coupes	Four-link type. Two upper control arms bias mounted and two lower control arms parallel mounted.
Station Wagons	Hotchkiss drive with multiple (6) leaf springs.

#### Wheel Travel (design)

Total	
Sedans, Coupes and Convertible	9.62
Station Wagons	7.82
Jounce	
Sedans, Coupes and Convertible	4.00
Station Wagons	3.10
Rebound	
Sedans, Coupes and Convertible	5.62
Station Wagons	4.72
Wheel to spring travel ratio	
Sedans, Coupes and Convertible	.981
Station Wagons	1.00

### SHOCK ABSORBERS

Type	Direct double acting, hydraulic
Piston diameter	1.00

# REAR AXLE AND SUSPENSION

## REAR SPRINGS – SEDANS AND COUPES

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

### REAR SPRING SPECIFICATIONS (COIL) – SEDANS, COUPES, CONVERTIBLE

Part Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs/inch)	Heights	
						Free	Working (In. @ Lbs.)
482065	XK	128.5	.567	7.48	115	18.70	10 @ 1000
482066	XL	132.9	.573	7.71	115	19.13	10 @ 1050
482067	XM	138.3	.580	7.98	115	19.57	10 @ 1100
482087	YJ	125.7	.609	7.30	155	16.77	10 @ 1050
482088	YK	125.7	.609	7.30	155	17.10	10 @ 1100
482089	YL	129.7	.615	7.50	155	17.42	10 @ 1150
482090	YM	129.7	.615	7.50	155	17.74	10 @ 1200
482152	ZA	132.5	.619	7.64	155	18.06	10 @ 1250

### REAR SPRING SPECIFICATIONS (MULTI-LEAF) – STATION WAGONS

Part Number	Number of Leaves	Length	Width	Shackle	Mounting Insulation	Assy. Code	Deflection Rate (lbs/in)	Load .58 Spring Camber (lbs)
486260 (a)	Six	57.0	2.50	Comp. resion type	Rubber bushed at shackle and hanger	ZP	182	1240
486376 (b)						WA	182	1140
486377 (c)						WB	182	1190
486381 (b)						WA	182	1140
486382 (c)						WB	182	1190
486383 (d)						WC	225	1190
486387 (a)						ZP	182	1240
487203 (b)						WA	182	1140
487204 (c)						WB	182	1190
487205 (a)						ZP	182	1240
487997						UY	225	1140
487998 (d)						WC	225	1190
487999						UZ	225	1240

(a) – (b) – (c) – (d) – Used optionally

# BRAKES

		Sedans and Coupes	Station Wagons	
General	Type	Power assisted disc front and drum rear		
	System	Dual circuit hydraulic system with warning light and self-adjusting features; metering and proportioning valve (except Station Wagons) provide balance between front and rear brakes.		
Front Brakes	Type	Disc - single piston floating caliper		
	Material	Cast iron - vented		
	Diameter and Width	11.86 x 1.28		
	Lining material	Molded asbestos composition		
	Method of attachment	Riveted		
	Lining Size (length x width x thickness)	Inboard	5.40 x 1.92 x 0.54	
		Outboard	5.40 x 1.92 x 0.54	
	Lining area (sq. in.)	41.47		
	Effective area (sq. in.)	35.22		
	Swept area (sq. in.)	241.8		
Piston diameter	2.94			
Rear Brakes	Type	Finned drum - composite, web cast into rim		
	Material	Web - HR steel; Rim - Cast alloy iron		
	Diameter and width	11.0 x 2.00	12.0 x 2.00	
	Lining material	Molded asbestos composition		
	Method of attachment	Riveted		
	Lining size (length x width x thickness)	Primary	8.88 x 2.0 x 0.25	9.85 x 2.0 x 0.25
		Secondary	11.53 x 2.0 x 0.29	12.77 x 2.0 x 0.32
	Lining area (sq. in.)	81.64	90.48	
	Effective area (sq. in.)	73.96	87.90	
	Swept area (sq. in.)	138.20	150.80	
Piston diameter	0.9375	1.0		
Apply System	Master cylinder diameter	1.125		
	Piston travel	1.41		
	Pedal travel	5.38		
	Pedal ratio	3.98:1		
	Line pressure @ 100 lb. pedal load	773		
Parking Brake	Type	Mechanical; pull rods and cables operate rear service brakes; parking brake "ON" warning light provided.		
	Control	Pendulum foot pedal; released by "T" handle located below instrument panel to left of steering column.		
	Total effective area	73.9	87.90	

# BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED ALL TRADE NUMBER	CANDLE POWER PER LAMP
Automatic transmission Quadrant	1-194	2
Back-up	2-1156	32
Brake warning	1-194	2
Courtesy		
Instrument panel	2-631	6
Direction signal indicator	2-194	2
Dome	1-211	12
• Dome reading lamp		
Reading	2-1004	15
Dome	1-211	12
Generator indicator	1-194	2
Glove compartment	1-1895	2
Headlamp hi-beam indicator	1-194	2
Headlamp		
Outer	2-4002	High beam 37.5W Low beam 55.0W
Inner	2-4001	High beam 37.5W
Heater controls	1-1895	2
Instrument cluster	1-168	3
License plate, rear	1-67	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-194	2
Parking		
Park		3
Turn	2-1157	32
Seat belt warning	1-194	2
• Side Marker - Front	2-168	2
• Side Marker - Rear	2-168	2
Radio dial RPO U63 and/or U69	1-1816	3
Radio dial and indicator	1-1816 (dial)	3-dial
RPO U58	1-66 (indicator)	1-indicator
Radio dial and indicator	1-564 (dial)	2-dial
RPO UM1 and/or UM2	1-66 (indicator)	1-indicator
Spot lamp - Portable	1-4416	30W
Tail, stop and turn	1-157*	Tail, 3; stop & turn, 32
Temperature indicator	1-194	2
Underhood	1-93	15

\*-Station wagons and Bel Air sedan, 2; balance 4.

## FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
	25 amp fuse	Fuse panel (g)
Back-up lamps	20 amp fuse	Fuse panel (e)
Brake warning lamp	10 amp fuse	Fuse panel (d)
Cigarette lighter	20 amp fuse	Fuse panel (h)
Clock	20 amp fuse	Fuse panel (h)
Courtesy lamps	20 amp fuse	Fuse panel (h)
Defroster rear window	20 amp fuse	Fuse panel (e)
Direction signal indicator lamps	20 amp fuse	Fuse panel (e)
Dome lamp	20 amp fuse	Fuse panel (h)
Fuel gauge	10 amp fuse	Fuse panel (d)
Folding top motor	30 amp CB	Fuse panel
Generator indicator lamp	10 amp fuse	Fuse panel (d)
Glove compartment lamp	20 amp fuse	Fuse panel (h)
Headlamps	Circuit breaker	Light switch
Headlamps hi-beam indicator lamp	Circuit breaker	Light switch
Heater	25 amp fuse	Fuse panel (g)
Heater control lamp	3 amp fuse	Fuse panel (c)
Instrument cluster lamps	3 amp fuse	Fuse panel (c)
Key and seat belt buzzer	20 amp fuse	Fuse panel (h)
License plate lamp, rear	20 amp fuse	Fuse panel (h)
Luggage compartment lamp	20 amp fuse	Fuse panel (h)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (d)
Park and turn lamps - front	20 amp fuse	Fuse panel (a)
Power seat	30 amp CB	Fuse panel
Power tailgate window	30 amp CB	Fuse panel
Power windows	20 amp CB	Firewall (e)
Radio	10 amp fuse	Fuse panel (j)
Radio lamp	3 amp fuse	Fuse panel (c)
Seat belt warning lamp	20 amp fuse	Fuse panel (h)
Side marker lamp - front	20 amp fuse	Fuse panel (a)
Side marker lamp - rear	20 amp fuse	Fuse panel (a)
Speed cruise control	20 amp fuse	Fuse panel (e)
Stop and turn lamps	20 amp fuse	Fuse panel (b)
Tail lamps	20 amp fuse	Fuse panel (a)
TCS - delay relay	10 amp fuse	Fuse panel (j)
TCS - idle stop solenoid	10 amp fuse	Fuse panel (j)
Temperature indicator lamp	10 amp fuse	Fuse panel (d)
Traffic hazard indicator	20 amp fuse	Fuse panel (b)
Underhood lamp	15 amp fuse	In line
Vacuum advance solenoid	10 amp fuse	Fuse panel (j)
Windshield wiper, two-speed	25 amp fuse	Fuse panel (f)
Transmission downshift	10 amp fuse	Fuse panel (j)

\*Letter suffix indicates same circuit





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# POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*			RING GEAR
			STAND.	PERF.	TRAILER	
Turbo Thrift 250 250 Cubic Inch L-6 Standard	3-Speed (2.85:1 low)	Bel Air Sedans Only	3.42:1			8.50
Turbo-Fire 350 350 Cubic Inch V-8 Standard (a)	Turbo Hydra-matic	Bel Air & Impala Coupes & Sedans	2.73:1	3.08:1		8.50
		Bel Air & Impala Station Wagons	3.08:1		3.42:1	8.875
Turbo-Fire 350 350 Cubic Inch V-8 RPO L48	Turbo Hydra-matic	Bel Air & Impala Coupes & Sedans	2.73:1	3.08:1		8.50
					3.42:1	8.875
Turbo-Fire 400 400 Cubic Inch V-8 RPO LF6 (b)	Turbo Hydra-matic	Caprice Classic Impala Custom Coupe	2.73:1	3.08:1		8.50
		Caprice Estate Bel Air & Impala Station Wagons	3.08:1		3.42:1	8.875
					3.42:1	8.875
Turbo-Jet 454 454 Cubic Inch V-8 RPO LS4	Turbo Hydra-matic	All Models	2.73:1		3.42:1	8.875

\*--Positraction axles available optionally for all ratios; same ratios available with Air Conditioning (V8 engines only)

(a) Optional (L65) with Bel Air Sedan

(b) Base engine for Caprice Classic and Estate – optional other models listed.

## MULTIPLICATION FACTORS

### WITH MANUAL TRANSMISSIONS

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
250 Cu.In. L-6 Standard	Single Barrel	3-Speed	9.74	5.74	3.42		10.08	3.42

### WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
350 Cu.In. V-8 Standard & RPO L48 (Bel Air & Impala Coupe & Sedans)	Turbo Hydra-matic	Drive	13.76:1 - 2.73:1	2.73:1
		Low	13.76:1 - 6.83:1	
		Second	13.76:1 - 4.15:1	
		Reverse	10.54:1 - 5.27:1	
350 Cu.In. V-8 Standard (Bel Air & Impala Station Wagons)	Turbo Hydra-matic	Drive	15.52:1 - 3.08:1	3.08:1
		Low	15.52:1 - 7.76:1	
		Second	15.52:1 - 4.68:1	
		Reverse	11.89:1 - 5.94:1	
400 Cu.In. V-8 RPO LF6 (a)	Turbo Hydra-matic	Drive	13.76:1 - 2.73:1	2.73:1
		Low	13.76:1 - 6.83:1	
		Second	13.76:1 - 4.15:1	
		Reverse	10.54:1 - 5.27:1	
454 Cu.In. V-8 RPO LS4	Turbo Hydra-matic	Drive	14.22:1 - 2.73:1	2.73:1
		Low	14.22:1 - 6.77:1	
		Second	14.22:1 - 4.04:1	
		Reverse	11.93:1 - 5.68:1	

\* - Axle ratio x transmission ratio  
(a) Standard with Caprice Classic and Estate

# ENGINE DATA AND RATINGS

## GENERAL DATA

Engine Type	L-6-OHV	V-8 OHV				
Piston Displacement (Cu.In.)	250	350		400	454	
Availability	Standard	Standard	L48	LF6*	LS4	
Number of Cylinders	Six	Eight				
Bore and Stroke (nominal)	3.875 x 3.53	4.00 x 3.48		4.125 x 3.75	4.251 x 4.00	
Compression Ratio	8.25:1	8.5:1			8.25:1	
Taxable (SAE) Horsepower	36.0	51.2		54.4	57.8	
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2				
Idling Speed	3-Speed (in Neutral)	700				
	Automatic (in Drive)	600				
Compression Press. (PSI) @ Cranking Speed, Engine Hot	140	150		160		
Power Plant Mountings	Front	Two, preloaded captive cushion type				
	Rear	One: full shear type				
Measurements	Fan to rear of engine block	35.27	31.55		33.97	
	Top of air cleaner to bottom of oil pan	27.76	29.60	28.52	29.60	29.12
	Width - including air cleaner	30.68	28.53		33.31	

## ADVERTISED ENGINE RATING

Engine Designation	Turbo-Thrift 250 L-6	Turbo-Fire 350 V-8	Turbo-Fire 350 V-8	Turbo-Fire 400 V-8	Turbo-Jet 454 V-8
Availability	Standard	Standard	RPO L48	RPO LF6*	RPO LS4
Carburetor	Single Barrel	Two Barrel	Four Barrel	Two Barrel	Four Barrel
Net Brake HP @ RPM	100 @ 3600	145 @ 4000	175 @ 4000	150 @ 3200	215 @ 4000 (a)
Net Torque @ RPM (lb-ft)	175 @ 1600	255 @ 2400	260 @ 2800	295 @ 2000	375 @ 2800 (a)

\* Standard with Caprice Classic & Estate

(a) Station Wagons HP 215 @ 4000; Torque - 345 @ 2400

# ENGINE SPEED AND PISTON TRAVEL

## TURBO-THRIFT 250 L-6 ENGINE

Model Availability	Bel Air Sedan Only	
Transmission	3-Speed Manual	
Rear Axle Ratio	3.42:1	
Tire Size	G78 x 15B	
Crankshaft Revolutions per Mile	2565.0	
Crankshaft RPM @ 1 MPH	Low	121.8
	Second	71.8
	Third	42.7
	Reverse	126.1
Piston Travel (ft/mile)	1509.1	

## TURBO-FIRE 350 V-8 ENGINES (BASE & RPO L48)

Model Availability	Bel Air & Impala - Coupes & Sedans	
Transmission	Turbo Hydra-matic	
Rear Axle Ratio	2.73:1	
Tire Size	G78 x 15B	
Crankshaft Revolutions per Mile	2047.5	
Crankshaft RPM @ 1 MPH	Low	86.0
	Second	51.9
	Third	34.1 (direct)
	Reverse	65.9
Piston Travel (ft/mile)	1187.6	

## TURBO-FIRE 350 V-8 ENGINE (BASE)

Model Availability	Bel Air & Impala Station Wagons	
Transmission	Turbo Hydra-matic	
Rear Axle Ratio	3.08:1	
Tire Size	L78 x 15B	
Crankshaft Revolutions per Mile	2171.4	
Crankshaft RPM @ 1 MPH	Low	91.2
	Second	55.0
	Third	36.2 (direct)
	Reverse	69.8
Piston Travel (ft/mile)	1259.4	

## TURBO-FIRE 400 V-8 ENGINE (RPO LF6)

Model Availability	Impala Custom Coupe & Caprice Classic	Caprice Estate - Bel Air & Impala Station Wagons
Transmission	Turbo Hydra-matic	
Rear Axle Ratio	2.73:1	
Tire Size	G78 x 15B	L78 x 15B
Crankshaft Revolutions per Mile	2047.5	1924.6
Crankshaft RPM @ 1 MPH	Low	86.0
	Second	51.9
	Third	34.1 (direct)
	Reverse	65.9
Piston Travel (ft/mile)	1279.7	1202.9

## TURBO-JET 454 V-8 ENGINE

Model Availability	All Coupes & Sedans	Station Wagons
Transmission	Turbo Hydra-matic	
Rear Axle Ratio	2.73:1	
Tire Size	H78-15B	L78-15B
Crankshaft Revolutions per Mile	2001.1	1924.6
Crankshaft RPM @ 1 MPH	Low	82.7
	Second	49.4
	Third	33.4
	Reverse	69.4
Piston Travel (ft/mile)	1334.1	1283.1

# VEHICLE PERFORMANCE FACTORS

ENGINE	250 CU.IN. 100 HP	350 CU.IN. 145 HP	350 CU.IN. 175 HP	400 CU.IN. 150 HP	454 CU.IN. 245 HP
MODEL	1BK69	1BL69	1BL69	1BN39	1BN69

## 3-SPEED TRANSMISSION

Performance Weight (pounds)	4641				
Pounds per Net Horsepower	46.41				
Pounds per Cu.In. Displacement	18.56				
Net HP per Cu.In. Displacement	.400				
Power Displacement (cu.ft./mile)	191.70				
Displacement Factor (cu.ft./ton mile)	82.62				

## TURBO HYDRA-MATIC

Performance Weight (pounds)		4884	4926	4954	4922
Pounds per Net Horsepower		33.68	28.15	33.03	20.09
Pounds per Cu.In. Displacement		15.95	14.07	12.38	10.84
Net HP per Cu.In. Displacement		.414	.500	.375	.540
Power Displacement (cu.ft./mile)		207.36	207.36	236.98	262.87
Displacement Factor (cu.ft./ton mile)		84.98	84.29	95.56	106.86

## GLOSSARY

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

# PRINCIPAL COMPONENTS

## CYLINDER BLOCK

Material	Cast alloy iron
Bore diameter	
L6-250 Cu.In.	3.8745-3.8775
V8-350 Cu.In.	3.9995-4.0025
V8-400 Cu.In.	4.1245-4.1275
V8-454 Cu.In.	4.2496-4.2524
No. of Bulkheads	
L6	7
V8	5
Water Jacket	Full length around each cylinder
Bearing Caps (Number, material & attachment)	
L6-250 Cu.In.	7, cast iron, 2-bolt
V8-350 Cu.In.	5, cast iron, 2-bolt
●V8-400 Cu.In.	5, cast iron, 2-bolt
V8-454 Cu.In.	5, cast iron, 2-bolt
Bore Spacing (Centerline to Centerline)	
L6-250 Cu.In.	4.4
V8-350 & 400 Cu.In.	4.4
V8-454 Cu.In.	4.84

## CYLINDER HEAD

Material	High chrome cast alloy iron
Bolt No. & Size	
L6-250 Cu.In.	10; .500 dia. 13 threads/in.
V8-350 Cu.In.	34; .4375 dia. 14 threads/in.
V8-400 Cu.In.	32; .4375 dia. 14 threads/in.
V8-454 Cu.In.	32; .4375 dia. 14 threads/in.

## COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)	
L6-250 Cu.In.	5.93 Cu.In.
V8-350 Cu.In.	6.08 Cu.In.
V8-400 Cu.In.	6.98 Cu.In.
V8-454 Cu.In.	8.15 Cu.In.

## INLET MANIFOLD

Material	Cast alloy iron
Type	
L6	3 port, rectangular section
V8	8 port, double deck

## EXHAUST MANIFOLD

Material	Cast alloy iron
Type	
L6-250 Cu. In.	4 port, center takedown
V8-350 & 400 Cu. In.	4 port, rear takedown
V8-454 Cu.In.	Dual, 4 port, rear takedown
Outlet Diameter (Nominal)	
L6-250 Cu.In.	2.0
V8-350 & 400 Cu.In.	2.0
V8-454 Cu.In.	2.5

## CRANKSHAFT

Material	
L6-250 Cu.In.	Cast nodular iron
V8-350 & 400 Cu.In.	Cast nodular iron
V8-454 Cu.In.	Cast nodular iron
End Play	
L6-250 Cu.In.	.002-.006
V8-350 & 400 Cu.In.	.002-.007
V8-454 Cu.In.	.006-.010
Counter Weights	
L6	12
V8	6
Crank Arm Length	
L6-250 Cu.In.	1.765
V8-350 Cu.In.	1.74
V8-400 Cu.In.	1.88
V8-454 Cu.In.	2.00
Torsional Damper	Rubber mounted inertia
Timing Gear	
L6	Steel, helical cut
V8	Steel; sprocket & chain
Pulley Pitch Diameter	6.64

## MAIN BEARINGS

Material	Steel, backed insert; (copper lead alloy or premium aluminum lining selected for specific engine application)
Type	Precision removable
Thrust Against Bearing	No. 7 (L-6); No. 5 (V-8)
Clearance	
L6-250 Cu.In.	.0003-.0029
V8-350 & 400 Cu.In.	
No. 1	.0008-.0020
No. 2, 3 & 4	.0011-.0023
No. 5	.0017-.0033
V8-454 Cu.In.	
No. 1	.0007-.0019
No. 2, 3 & 4	.0013-.0025
No. 5	.0019-.0035

Dimensions	Theoretical	Effective	Projected
	Inner Dia.	Length	Area
L6-250 Cu.In.			
Bearing No. 1-6	2.3004	.752	1.7299
Bearing No. 7	2.3004	.760	1.7483
V8-350 Cu.In.			
Bearing No. 1-4	2.4502	.752	1.8425
Bearing No. 5	2.4508	1.180	2.8919
V8-400 Cu.In.			
Bearing No. 1-4	2.6503	.752	1.9930
Bearing No. 5	2.6509	1.181	3.1307
V8-454 Cu.In.			
Bearing No. 1	2.7499	.992	2.7279
Bearing No. 2-4	2.7504	.992	2.7284
Bearing No. 5	2.7505	1.256	3.4535

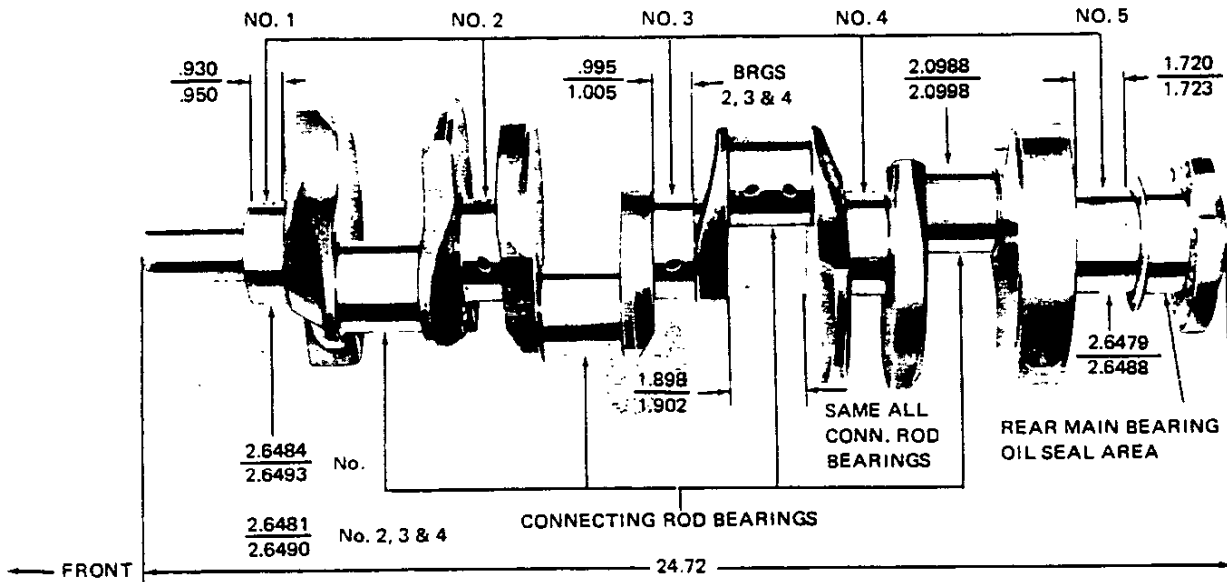


# PRINCIPAL COMPONENTS

## CRANKSHAFTS AND BEARINGS

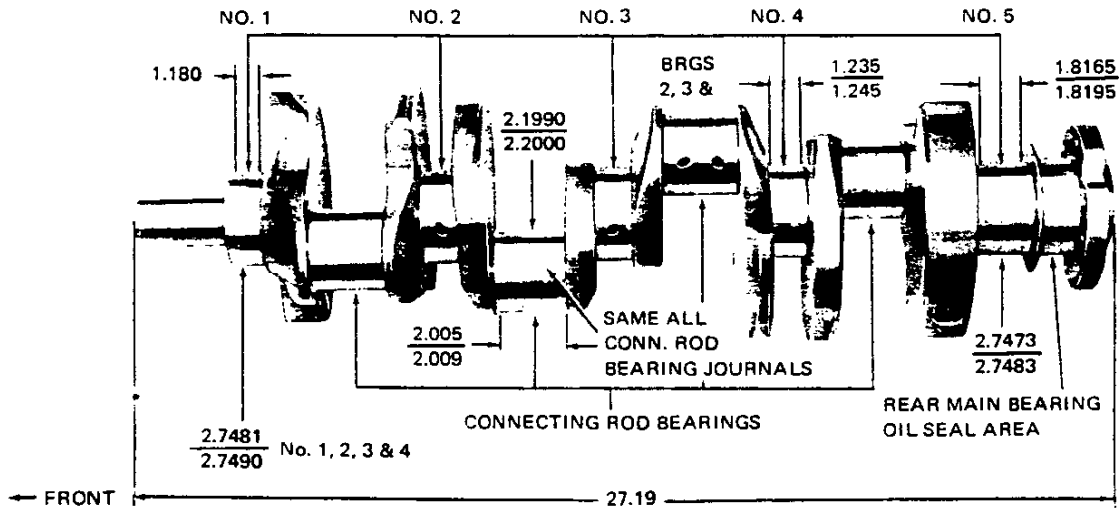
### 400 CUBIC INCH V-8 ENGINES

#### MAIN BEARING JOURNALS



### 454 CUBIC INCH V-8 ENGINES

#### MAIN BEARING JOURNALS



# PRINCIPAL COMPONENTS

## CAMSHAFT

Material	Cast alloy iron
Drive	
L6	Gear; bakelite and fabric composition with steel hub
V8	Sprocket & chain; steel
Lobe Lift	
L6-250 Cu.In.	.2217 Inlet & Exhaust
V8-350 & 400 Cu.In.	.2600 Inlet; .2733 Exhaust
V8-454 Cu.In.	.2588 Inlet & Exhaust
Bearings	Steel backed babbitt

## VALVE TRAIN

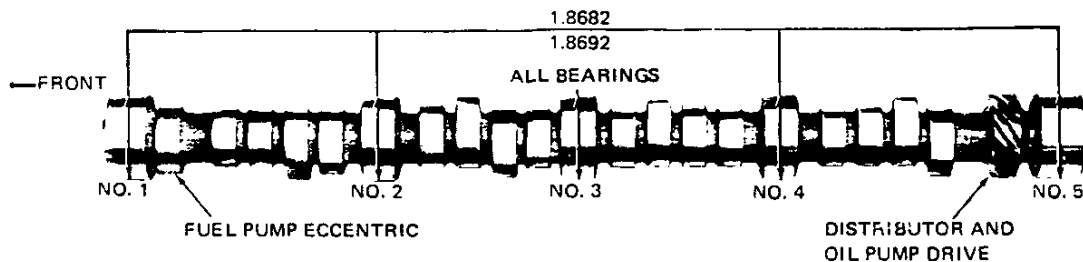
Type	Individually mounted, overhead rocker arms, push rod actuated
Lifters	Hydraulic
Push Rods	
Type	Hollow steel
Ends	
L6-250, V8-350 & 400 Cu.In.	Hardened
V8-454 Cu.In.	Hardened steel inserts
Rocker Arms	
Material	Stamped steel
Ratio	
L6-250 Cu.In.	1.75:1
V8-350 & 400 Cu.In.	1.50:1
V8-454 Cu.In.	1.70:1
Rotators (V8-350, 400 & 454)	Exhaust

## VALVE SPRINGS

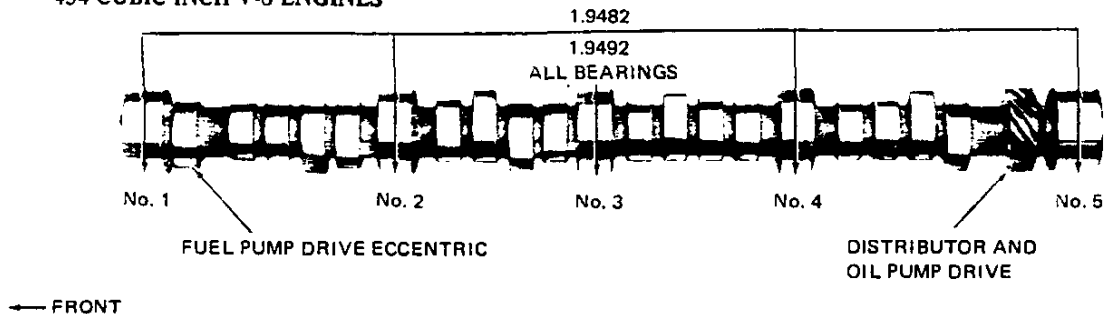
Diameter (I.D.)	
L6-250 Cu.In.	.872-.888
V8-350 Cu.In.	.868-.884
V8-400 Cu.In.	.868-.884
V8-454 Cu.In.	1.082-1.098
Installed Length (lb. @ In.)	
Valves Closed	
L6-250 Cu.In.	56-64 @ 1.66
V8-350 Cu.In.	76-84 @ 1.70
V8-400 Cu.In.	76-84 @ 1.70
V8-454 Cu.In.	74-86 @ 1.88
Valves Opened	
L6-250 Cu.In.	180-192 @ 1.27
V8-350 Cu.In.	194-206 @ 1.25
V8-400 Cu.In.	194-206 @ 1.25
V8-454 Cu.In.	288-312 @ 1.38
Free Length	
L6-250 Cu.In.	1.90
V8-350 Cu.In.	2.03
V8-400 Cu.In.	2.03
V8-454 Cu. In.	2.09
Valve Spring Damper	
L6-250 Cu.In.	None
V8-350 Cu.In.	Flat steel, 4 coils
V8-400 Cu.In.	Flat steel, 4 coils
V8-454 Cu.In.	Flat steel, 3.62 coils

## CAMSHAFT AND BEARINGS

### 350 and 400 CUBIC INCH V-8 ENGINES



### 454 CUBIC INCH V-8 ENGINES



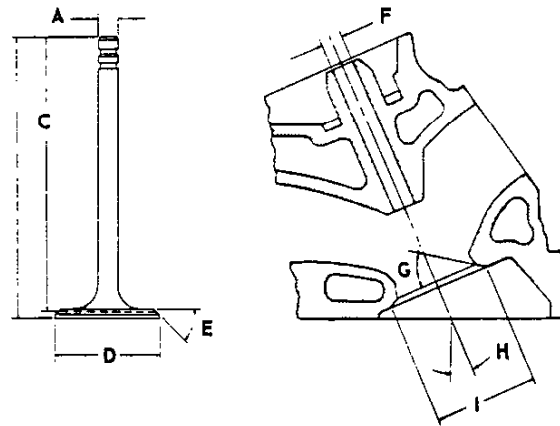
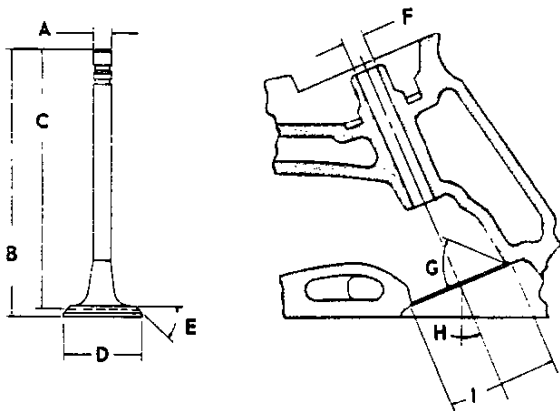
# PRINCIPAL COMPONENTS

## VALVES – INLET

Material	Alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-350 Cu.In.	None
V8-400 Cu.In.	Aluminized face
V8-454 Cu.In.	Face & head aluminized
All Stems	Chrome flash
Valve Guide Inserts (V8-454)	Cast alloy iron

## VALVES – EXHAUST

Material	High alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-350 Cu.In.	Aluminized face
V8-400 Cu.In.	Aluminized face
V8-454 Cu.In.	Face & head aluminized
All Stems	Chrome flash
Valve Guide Inserts (V8-454)	Cast alloy iron



A – Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-350 & 400 Cu.In.	.3410-.3417
V8-454 Cu.In.	.3715-.3722
B – Overall Length	
L6-250 Cu.In.	4.902-4.922
V8-350 & 400 Cu.In.	4.870-4.889
V8-454 Cu.In.	5.215-5.235
C – Gage Length	
L6-250 Cu.In.	4.785-4.795
V8-350 & 400 Cu.In.	4.785-4.795
V8-454 Cu.In.	5.115-5.125
D – Overall Head Diameter	
L6-250 Cu.In.	1.715-1.725
V8-350 & 400 Cu.In.	1.935-1.945
V8-454 Cu.In.	2.060-2.070
E – Angle of Face	45°
F – Guide Diameter	
L6-250 Cu.In.	.3427-.3437
V8-350 & 400 Cu.In.	.3427-.3437
V8-454 Cu.In.	.3732-.3742
G – Angle of Seat	46°
H – Valve Angle	
L6-250 Cu.In.	9°
V8-350 & 400 Cu.In.	23°
V8-454 Cu.In.	4°
I – Valve Seat Diameter	
L6-250 Cu.In.	1.770-1.790
V8-350 & 400 Cu.In.	1.990-2.010
V8-454 Cu.In.	1.962-1.968

A – Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-350 & 450 Cu.In.	.3410-.3417
V8-454 Cu.In.	.3713-.3720
B – Overall Length	
L6-250 Cu.In.	4.913-4.933
V8-350 & 400 Cu.In.	4.913-4.933
V8-454 Cu.In.	5.345-5.365
C – Gage Length	
L6-250 Cu.In.	4.781-4.791
V8-350 & 400 Cu.In.	4.781-4.791
V8-454 Cu.In.	5.235-5.245
D – Overall Head Diameter	
L6-250 Cu.In.	1.495-1.505
V8-350 & 400 Cu.In.	1.495-1.505
V8-454 Cu.In.	1.715-1.725
E – Angle of Face	45°
F – Guide Diameter	
L6-250 Cu.In.	.3427-.3437
V8-350 & 400 Cu.In.	.3427-.3437
V8-454 Cu.In.	.3732-.3742
G – Angle of Seat	46°
H – Valve Angle	
L6-250 Cu.In.	9°
V8-350 & 400 Cu.In.	23°
V8-454 Cu.In.	4°
I – Valve Seat Diameter	
L6-250 Cu.In.	1.550-1.570
V8-350 & 400 Cu.In.	1.550-1.570
V8-454 Cu.In.	1.583-1.589

# PRINCIPAL COMPONENTS

## VALVE TIMING (Crankshaft degrees - Excluding ramps)

### L6-250 Cu.In.

#### Inlet Valve (Zero lash)

Opens - BTC	16°
Closes - ABC	48°
Duration	244°

#### Exhaust Valve (Zero lash)

Opens - BB	46°30'
Closes - ATC	17°30'
Duration	244°

### V8-350 Cu.In.

#### Inlet Valve (Zero lash)

Opens - BTC	28°
Closes - ABC	72°
Duration	280°

#### Exhaust Valve (Zero lash)

Opens - BBC	78°
Closes - ATC	30°
Duration	288°

### V8-400 Cu.In.

#### Inlet Valve (Zero lash)

Opens - BTC	28°
Closes - ABC	72°
Duration	280°

#### Exhaust Valve (Zero lash)

Opens - BBC	78°
Closes - ATC	30°
Duration	288°

### V8-454 Cu.In.

#### Inlet Valve (Zero lash)

Opens - BTC	55°
Closes - ABC	111°
Duration	346°

#### Exhaust Valve (Zero lash)

Opens - BBC	105°
Closes - ATC	63°
Duration	348°

## VALVE LIFT

L6-250 Cu.In.	.3880 Inlet & Exhaust
V8-350 & 400 Cu.In.	.3900 Inlet; 4100 Exhaust
V8-454 Cu.In.	.4400 Inlet & Exhaust

## PISTONS

Material . . . . . Cast aluminum alloy

### Head Type

L6-250 Cu.In.	Sump head
V8-350 Cu.In.	Sump head
V8-400 Cu.In.	Sump, notched head
V8-454 Cu.In.	Flat head, valve cutout

Skirt Type . . . . . Slipper

### Top Land Clearance

L6-250 Cu.In.	.0245-.0335
V8-350 Cu.In.	.0235-.0325
V8-400 Cu.In.	.0365-.0455
V8-454 Cu.In.	.0350-.0410

### Skirt Clearance

L6-250 Cu.In.	.0005-.0015
V8-350 Cu.In.	.0007-.0017
V8-400 Cu.In.	.0014-.0024
V8-454 Cu.In.	.0018-.0028

### Compression Ring Groove Depth

L6-250 Cu.In.	.2153-.2218
V8-350 Cu.In.	.2218-.2884
V8-400 Cu.In.	.2328-.2393
V8-454 Cu.In.	.2350-.2410

### Oil Ring Groove Depth

L6-250 Cu.In.	.2093-.2158
V8-350 Cu.In.	.2038-.2103
V8-400 Cu.In.	.2183-.2248
V8-454 Cu.In.	.2185-.2245

### Pin Bore Offset

.055-.065

### Compression Height

L6-250 Cu.In.	1.658-1.662
V8-350 & 400 Cu.In.	1.558-1.562
V8-454 Cu.In.	1.641-1.649

## PISTON PINS

Material . . . . . Chromium steel

### Length

L6-250 Cu.In.	2.990-3.010
V8-350 & 400 Cu.In.	2.990-3.010
V8-454 Cu.In.	2.930-2.950

### Diameter

L6-250 Cu.In.	.9270-.9273
V8-350 & 400 Cu.In.	.9270-.9273
V8-454 Cu.In.	.9895-.9898

### Clearance in Piston

L6-250 Cu.In.	.00015-.00025
V8-350 Cu.In.	.00015-.00025
V8-400 Cu.In.	.00025-.00035
V8-454 Cu.In.	.00040-.00050

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

# PRINCIPAL COMPONENTS

## COMPRESSION RINGS – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	
L6-250 Cu.In.	Molybdenum inlay
V8-350 Cu.In.	Chrome plate
V8-400 & 454 Cu.In.	Molybdenum inlay
Width	
L6-250 Cu.In.	.0775-.0780
V8-350 Cu.In.	.0775-.0780
V8-400 Cu.In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
V8-400 Cu.In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	
L6-250 Cu.In.	.010-.020
V8-350 & 400 Cu.In.	.010-.020
V8-454 Cu.In.	.010-.020

## COMPRESSION RINGS – LOWER

Material	Cast alloy iron
Type	Inside bevel (top of ring 30 degrees to piston vertical axis for L6-250, V8-350 & 400; and 28°-52° for V8-454)
Face	Tapered
Coating	
L6-250 & V8-350 Cu.In.	Wear resistant
V8-400 Cu.In.	Chrome plated
V8-454 Cu.In.	Wear resistant
Width	
L6-250 Cu.In.	.0770-.0780
V8-350 Cu.In.	.0770-.0775
V8-400 Cu.In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
V8-400 Cu.In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	
L6-250 Cu.In.	.010-.020
V8-350 Cu.In.	.013-.025
V8-400 & 454 Cu.In.	.010-.020

## OIL CONTROL RINGS

Type	Multi-piece (Two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Width (assembled)	
L6-250 Cu.In.	.1870-.1890
V8-350 Cu.In.	.1850-.1870
V8-400 Cu.In.	.1832-.1852
V8-454 Cu.In.	.1855-.1875
Wall Thickness	
L6-250 Cu.In.	.152-.158
V8-350 Cu.In.	.150-.156
V8-400 Cu.In.	.133-.139
V8-454 Cu.In.	.137-.143
Gap	
L6-250 & V8-350 Cu.In.	.015-.055
V8-400 & 454 Cu.In.	.010-.030
Rail Coatings	Chrome plated

## CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
L6-250, V8-350 & 400 Cu.In.	5.695-5.705
V8-454 Cu.In.	6.130-6.140

## CONNECTING ROD BEARINGS

Material	
L6-250 Cu.In.	Copper lead alloy or sintered copper nickel backed babbitt on steel
V8-350, 400 & 454 Cu.In.	Premium aluminum
Type	Precision removable
Clearance	
L6-250 Cu.In.	.0007-.0027
V8-350 & 400 Cu.In.	.0013-.0035
V8-454 Cu.In.	.0009-.0025
Theoretical I.D.	
L6-250 Cu.In.	2.0017
V8-350 & 400 Cu.In.	2.1019
V8-454 Cu.In.	2.2012
Effective Length	
L6-250 Cu.In.	.807
V8-350 & 400 Cu.In.	.797
V8-454 Cu.In.	.847
End Play	
L6-250 Cu.In.	.009-.014
V8-350 & 400 Cu.In.	.008-.014
V8-454 Cu.In.	.015-.023

## FUEL TANK

Capacity (gallons)	
Sedans, Coupes & Convertibles . . . . .	26 (approximately)
Station Wagons . . . . .	22 (approximately)
Fuel Tank Location	
Sedans, Coupes & Convertibles . . . . .	Behind rear axle
Station Wagons . . . . .	In left quarter panel
Filler Location	
Sedans, Coupes & Convertibles . . . . .	Behind hinged rear license plate
Station Wagons . . . . .	Left rear quarter panel

## FUEL FILTERS, DUAL

In Fuel Tank . . . . .	Mesh strainer
In Carburetor Inlet . . . . .	Paper

## FUEL PUMP ASSEMBLY

Type . . . . .	Mechanical; diaphragm
Drive . . . . .	Camshaft, eccentric
Location . . . . .	Right side front of engine
Pressure Range (shut off pressure at 1800 RPM)	
L6-250 Cu.In. . . . .	4.00-5.00 PSI at pump outlet
V8-350, 400 & 454 Cu.In. . . . .	7.50-9.00 PSI at pump outlet

## EVAPORATION CONTROL SYSTEM

Purpose . . . . .	Controls emission of gasoline vapors to the gasoline vapors to the atmosphere
Major Components and Basic Function . . . . .	Integral separator with the fuel tank that separates vapor from liquid fuel - a filler cap that doesn't permit venting into the atmosphere - a canister for storage of vapors - lines, hoses and valves to control and transport vapors from fuel tank to storage, and finally, to the carburetor for utilization in running the engine.

## AIR CLEANER

Type . . . . .	Cylindrical single air horn
Diameter	
L6-250 Cu.In. . . . .	12.62
V8-350 & 400 Cu.In. . . . .	15.48
V8-454 Cu.In. . . . .	15.48
Filter Element . . . . .	Oil-wetted paper

## CARBURETORS

Make and Type	
L6-250 Cu.In. . . . .	Rochester, 1-barrel, Monojet
V8-350 Cu.In. . . . .	Rochester, 2-barrel, downdraft
V8-400 Cu.In. . . . .	Rochester, 2-barrel, downdraft
V8-350 & 454 Cu.In. . . . .	Rochester, 4-barrel, Quadrajel
SAE Flange Size	
L6-250 Cu.In. . . . .	1.50
V8-350 Cu.In. . . . .	1.50
V8-400 Cu.In. . . . .	1.50
V8-454 Cu.In. . . . .	1.50
Throttle Bore	
L6-250 Cu.In. . . . .	1.69
V8-350 Cu.In. (L65) . . . . .	1.69
V8-400 Cu.In. . . . .	1.69
V8-350 (L48) & 454 Cu.In.	
Primary . . . . .	1.38
Secondary . . . . .	2.25
Secondary Throttle Actuation . . . . .	By linkage, approximately when primary valves are opened half way between closed and open
Venturi Diameter	
L6-250 Cu.In. . . . .	1.31
V8-350 Cu.In. (L65) . . . . .	1.25
V8-400 Cu.In. . . . .	1.09
V8-350 (L48) & 454 Cu.In.	
Primary . . . . .	1.04
Secondary . . . . .	Air valve

## CHOKE

Type . . . . .	Automatic
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# EXHAUST AND VENTILATION SYSTEM

## TYPE

L6-250 Cu.In. . . . .	Single
V8-350 (L65) & 400 Cu.In. . . . .	Single with crossover pipes
V8-350 (L48) Cu.In. . . . .	Dual, no resonators
V8-454 Cu.In. Station Wagons . . . . .	Single with crossover pipes and resonator
All Models Except Station Wagons . . . . .	Dual with resonators

## MUFFLERS

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

### Head

L6-250 Cu.In. . . . .	.054 sheet steel, aluminized
V8-350 (L65) & 400 Cu.In. . . . .	.055 sheet steel, aluminized
V8-350 (L48) Cu.In. . . . .	.060 sheet steel, aluminized
V8-454 Cu.In. (Exc. S.W.) . . . . .	.060 sheet steel, aluminized
V8-454 Cu.In. (S.W. only) . . . . .	.054 sheet steel, aluminized

Shell . . . . .	.036 sheet steel, zinc coated
Wrap . . . . .	.030 indented asbestos sheet
Cover . . . . .	.018 sheet steel, aluminized

### Baffles

L6-250 Cu.In. . . . .	No. 2 & 3-.036 zinc coated steel
V8-350 (L65) & 400 . . . . .	No. 1 & 4-.048 zinc coated steel
V8-350 (L48) Cu.In. . . . .	No. 2 & 4-.036 zinc coated steel
V8-454 Cu.In. Except S.W. . . . .	No. 1 & 4-.048 zinc coated steel
Station Wagons . . . . .	No. 2 & 3-.036 zinc coated steel

Length Body . . . . . 21.25

Width (I.D.) . . . . .

All types except V8-350 (L48) . . . . . 10.50

V8-350 (L48) . . . . . 11.00

Height (I.D.) . . . . .

All types except V8-350 (L48) . . . . . 4.06

V8-350 (L48) . . . . . 4.50

## EXHAUST CROSSOVER PIPE

Dimensions (O.D. & Wall Thickness)	
V8-350 (L65) & 400 . . . . .	2.00 x .101 laminated
V8-454 (S.W. only) . . . . .	2.25 x .072 laminated

## EXHAUST PIPE

Dimensions (O.D. & wall thickness)	
L6-250 Cu.In. . . . .	2.00 x .064
V8-350 (L65) & 400 Cu.In. . . . .	2.25 x .072 laminated
V8-350 (L48) Cu.In. . . . .	2.00 x .082 laminated
V8-454 Cu.In. (Exc. S.W.) . . . . .	2.25 x .082 laminated
(S.W. only) . . . . .	2.50 x .082 laminated

## RESONATORS

Type . . . . .	Straight through
Cover . . . . .	.036 sheet steel, aluminized
Heads . . . . .	.048 sheet steel, aluminized

## TAIL PIPES

Dimensions (O.D. & Wall Thickness)	
L6-250 Cu.In. . . . .	1.88 x .062
V8-350 (L65) & 400 Cu.In. . . . .	2.00 x .069
V8-350 (L48) Cu.In. . . . .	2.00 x .061
V8-454 Cu.In. (Exc. S.W.) . . . . .	2.00 x .069
V8-454 Cu.In. (S.W. only) . . . . .	2.25 x .056

## EXHAUST EMISSION CONTROLS

- Positive Crankcase Ventilation . . . . . Withdraws oil and gas vapors from the various cavities throughout the engine for burning in the combustion cycle.
- Combination Emission Control Valve (L6-250) . . . . . Reduces pollutant emissions in the exhaust during all phases of operation and controls hydrocarbon emissions during engine deceleration.
- Air Injection Reactor System . . . . . Compresses, regulates and distributes quantities of air to each exhaust port to more completely burn carbon monoxide and hydrocarbon emissions.
- Exhaust Gas Recirculation System . . . . . Meters exhaust gas into induction system for recirculation through the combustion cycle to reduce oxides of nitrogen emissions.
- Carburetor Hot Air System . . . . . Meters and mixes heated air with incoming cold air to optimize fuel vaporization.

# LUBRICATION SYSTEM

## GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Piston Pins	Splash
Cylinder Walls	
L6 Engine	Main and conn. rod bearing throwoff
V8 Engines	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	
L6 Engine	Nozzle metered
V8 Engines	Centrifugally oiled from front camshaft bearing

### Oil Pressure Sending Unit

Type	Electric
Actuation	Opens or closes circuit @ 2 to 6 PSI
Oil Filler	
Cap	Positive seal
Location	
L6-250	Forward end of rocker cover
V8-350 & 400	Rearward of left rocker cover
V8-454	Top center of right rocker cover

## OIL PAN CAPACITIES (Quarts)

Refill	4
Refill with Filter Change	4.5

## LUBRICANT GRADES AND TEMPERATURES

20° F and Above	20W, 10W-30, 10W-40, 20W-40
0° F to 60° F	10W, 5W-30, 10W-30, 10W-40
Below 20° F	5W, 5W-20, 5W-30

## OIL PUMP

Type	Gear
Regulator Valve	Opens between 40-45 lbs Oil Pressure
L6-250 Cu.In.	40 PSI @ 2000 RPM
V8-350 & 400 Cu.In.	40 PSI @ 2000 RPM
V8-454 Cu.In.	40 PSI @ 2000 RPM
Intake Type	Fixed pickup with screen
Capacity (GPM @ Engine RPM) (Theoretical)	
L6-250 Cu.In.	4.3 @ 2000
V8-350 & 400 Cu.In.	4.3 @ 2000
V8-454 Cu.In.	6.0 @ 2000

## OIL FILTER

Type	Full flow, throwaway canister
Location	
L6 Engine	Right side front of engine
V8 Engines	Left rear side of engine
Capacity (pints)	One
Bypass Valve	Opens between 9 to 11 PSI

## OIL PAN DRAIN PLUG

Type	Hex head
Location	
L6 Engines	Front lower face of oil pan sump
V8 Engines	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 DIP STICK - LOCATION

L6-250	Right side, rear of engine block
V8-350 & 400	Left side, rear of engine block
V8-454	Right side, center direct to oil pan



# COOLING SYSTEM

## GENERAL

Type . . . . .	Pressure-vented thru coolant recovery system
Capacity with Heater (Standard Equipment)	
L6-250 Cu.In. . . . .	14 Qts.
V8-350 & 400 Cu.In. . . . .	18 Qts.
V8-454 Cu.In. . . . .	24 Qts.

## RADIATOR

Make and Type . . . . .	Harrison, tube and center
Core Constant	
Distance between Fins	
L6-250 Cu.In. . . . .	.25 (Syn)
V8-350 Cu.In. . . . .	.18
V8-400 Cu.In. . . . .	.16
V8-454 Cu.In. . . . .	.16
Distance between Tubes	.55
Thickness of core	
L6-250 Cu.In. . . . .	1.26
V8-350 & 400 Cu.In. . . . .	1.24
V8-454 Cu.In. . . . .	1.24
Frontal Area (Sq.In.)	
L6-250 Cu.In. . . . .	480
V8-350 & 400 Cu.In. . . . .	480
V8-454 Cu.In. . . . .	480
Overflow . . . . .	Separate coolant bottle

## RADIATOR, HEAVY DUTY (RPO V01)

Core Constant	
Distance between Fins	
V8-350 Cu.In. (L65) . . . . .	.16
V8-350 Cu.In. (L48) . . . . .	.16
V8-400 Cu.In. . . . .	.16
V8-454 Cu.In. . . . .	.16
Distance between Tubes	.55
Thickness of core	
V8-350 Cu.In. . . . .	1.24
V8-400 Cu.In. . . . .	1.98
V8-454 Cu.In. . . . .	2.70
Frontal Area (Sq.In.)	
V8-350 Cu.In. . . . .	480
V8-400 Cu.In. . . . .	480
V8-454 Cu.In. . . . .	480
Overflow . . . . .	Separate coolant bottle

## RADIATOR CAP RELIEF VALVE

Opens at . . . . .	Approximately 15 PSI
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## THERMOSTAT

Type . . . . .	Pellet
Begins to Open at . . . . .	192° - 198°
Fully Opened at . . . . .	217°
Thermostat By-Pass Hose (V8-454) . . . . .	.745 I.D.

## RADIATOR HOSE

Outlet, Lower (Radiator to Water Pump) . . . . .	1.75 I.D.
Inlet, Upper (Thermostat Hsg. to Radiator) . . . . .	1.50 I.D.

## FAN

Number of Blades	
All engines except V8-454 Cu.In. . . . .	4
V8-454 Cu.In. . . . .	7
Diameter	
L6-250 Cu.In. . . . .	17.62
All V-8 engine, except V8-454 Cu.In. . . . .	19.00
V8-454 Cu.In. (Thermo-modulated) . . . . .	19.50
Fan pulley pitch diameter . . . . .	7.00

## BELTS, CRANKSHAFT, FAN AND GENERATOR

Number Used . . . . .	One
Angle of "V" . . . . .	38° - 42°
Pitch Line	
L6-250 Cu.In. . . . .	37.30
V8-350 Cu.In. . . . .	47.00
V8-400 Cu.In. . . . .	47.00
V8-454 Cu.In. . . . .	50.00
Width . . . . .	.380

## WATER PUMP

Type . . . . .	Centrifugal
Capacity	
L6-250 Cu.In. . . . .	20.4 GPM @ 2300 engine RPM
V8-350 Cu.In. . . . .	26 GPM @ 1900 engine RPM
V8-400 Cu.In. . . . .	26 GPM @ 1900 engine RPM
V8-454 Cu.In. . . . .	24.3 GPM @ 1900 engine RPM
Bearing . . . . .	Permanently lubricated double row ball
Drive . . . . .	Fan belt
● Ratio (Pump to Engine RPM)	
L6-250 Cu.In. . . . .	1.165:1
V8-350 & 400 Cu.In. . . . .	.949:1
V8-454 Cu.In. . . . .	1.25:1

## DRAIN LOCATIONS AND TYPE

Engine Block - Plug	
L6-250 Cu.In. . . . .	Left rear side
V8-350 & 400 Cu.In. . . . .	Right and left center
V8-454 Cu.In. . . . .	Left side - rear of block
	Right side - center of block

# ELECTRICAL SYSTEM

## SUPPLY SYSTEM

### BATTERY

Voltage Rating	12
Cranking Power @ 0° F	
L6-250 Cu.In.	2300 watts
V8-350, 400 & 454 Cu.In.	2900 watts
Heavy Duty (RPO T60)	3750 watts
Total Number of Plates	
L6-250 Cu.In.	54
V8-350, 400 & 454 Cu.In.	66
Heavy Duty	90
Number of Cells	6
Terminal Grounded	Negative
Location	Engine compartment; right side front

## GENERATOR

Type	Diode rectified
Rating	
Amps	37
Volts	12
Drive	By fan belt
● Pulley pitch diameter	2.43
● Ratio (Gen. to Engine Speed)	2.73:1 (V8-454) 3.12:1

## REGULATOR

Type	Micro circuit unit; integral with alternator
Voltage	13.8-14.8 @ 85° F

## IGNITION SYSTEM

DISTRIBUTORS . . . . . Refer to chart below

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

## COIL

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

## SPARK PLUGS

Type	
L6-250 Cu.In.	ACR46T
V8-350 & 400 Cu.In.	ACR44T
V8-454 Cu.In.	ACR44T
Thread Size (mm)	14
Gap	.033-.038
Torque	15 lb.ft.

## STARTING SYSTEM

### STARTING MOTOR

Rotation (Drive End View) . . . . . Clockwise  
Test Conditions . . . . . Engine at operating temp.  
No Load Test

Amps	
L6-250 Cu.In.	49-87
V8-350 & 400 Cu.In.	70-99
V8-454 Cu.In.	70-99
Volts	10.6
RPM	
L6-250 Cu.In.	6200-10700
V8-350 & 400 Cu.In.	7800-12000
V8-454 Cu.In.	7800-12000

### Motor Drive

Engagement	Solenoid
Pinion Meshes at	Rear
Pinion Tooth No.	9
Flywheel Tooth No.	
L6-250, V8-350 & 400 Cu.In.	153
V8-454 Cu.In.	168

DISTRIBUTORS	Transmission	250 Cu.In. Standard	350 Cu.In. Standard	350 Cu.In. RPO L48	400 Cu.In. RPO LF6	454 Cu.In. RPO LS4
Model	Manual	1110499				
	Automatic		1112168	1112094	1112166	1112113
Type		Single breaker				
Cam angle		31°-34°	29°-31°		28°-30°	
Breaker gap		.019 (new)				
Breaker arm tension		19-23			28-33	
Centrifugal advance begins @ RPM	Manual	950-1280	675-1300	650-1600	700-1300	900-1300
	Automatic					
Maximum degrees @ RPM	Manual	22-26 @ 4100				
	Automatic		18-22 @ 4200	12-16 @ 4200	18-22 @ 4200	16-20 @ 4200
Vacuum advance begins @ In. Hg.	Manual	6.0-8.0	5.0-5.0	5.0-7.0	7.0-9.0	5.0-7.0
	Automatic					
Maximum degrees @ In. Hg.	Manual	21-26 @ 15				
	Automatic		12-15 @ 6.5	13-16 @ 13.5	13-19 @ 24	18-21 @ 15
Timing (initial design setting) Crankshaft degrees @ RPM with vacuum line disconnected	Manual	6° BTC @ 700				
	Automatic		8° BTC @ 600	12° BTC @ 600	8° BTC @ 600	10° BTC @ 600
Timing mark location		Torsional damper				

# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine	Type - Cubic Inch	L6-250 Cu.In.	
	Availability	Standard	
Clutch for	Type	3-Speed	
	Type	Single dry disc	
Clutch cover & pressure plate	Eff. plate load, lbs.	1950 - 2200	
	Press. plate matl.	Cast Iron	
	Clutch spring type	Diaphragm	
	Clutch spring matl.	Heat treated spring steel	
Driven plate	Type	Single disc with two friction surfaces	
	Cushions	Flat spring steel between friction rings	
	Damper	6 outer coil and 3 inner coil springs equally spaced	
	Friction ring	OD	10.34
		ID	6.50
	Friction ring	Total area Sq. in.	101.54
Material		Woven asbestos	
Flywheel & Ring gear	Flywheel Material	Nodular Iron	
	Material	Heat treated steel	
	Ring gear	No. of teeth	153
		PD	12.75
	Attachment	Shrink fit	
Bearings	Release	Type	Single row ball
		Lubrication	None, prepacked
	Pilot	Type	Bronze bushing
		Lubrication	Sintered 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	

## 3-SPEED TRANSMISSION

Engine	Type	L6-250 Cu.In.	
	Application Availability	Standard	
Case material		Cast iron	
Gear Shift	Type	Remote	
	Control	Lever	
	Location	Steering column	
Gears	Type	Helical	
	Material	Forged steel, hardened	
	Synchronization	All forward gears	
	Constant mesh gear	All gears	
	Sliding gears	None	
	Ratios	First	2.85
		Second	1.68
		Third	1.00
Reverse		2.95	
Lubricant	Type	Meeting Military Specifications MIL-L-2105B	
	Capacity (pts)	3	
Extension	Material	Cast iron	
	Oil seal	Steel encased seal of spring loaded silicone	

# TRANSMISSIONS

## TURBO-HYDRAMATIC

Engine	Displacement	V8-350 & V8-400	V8-454	
General Data	Type	Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse		
	Selector lever	Location	Steering column	
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump	
		Quadrant pattern	P-R-N-D-L2-L1	
	Parking Lock	Type	Locking pawl	
		Operation	Applied by selector lever through manual linkage	
	Method of cooling	Water		
	Flywheel assembly	Steel stamping with welded on ring gear		
	Oil pressure pump	Supplies hydraulic pressure from an engine driven gear type pump		
	Hydraulic System	Type	Steel spool	
Manual		Establishes range at transmission operation		
Pressure regulator		Controls main line pressure		
Shift (1-2)		Controls oil pressure for transmission shift from 1-2 or 2-1		
Shift (2-3)		Controls oil pressure for transmission 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		
Pressure @ Idle (a)		Drive	55	70
		L2	80	150
		L1	80	150
	Reverse	84	107.5	
Converter Assembly	Pump (Drive member)	Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing		
	Turbine (Driven member)	Steel axial flow blades assembled between inner & outer steel shells		
	Stator assembly	Aluminum multivane type blades mounted on a one way (overrunning) roller clutch		
	Stall ratio	2.00	2.10	
	Stall speed (RPM)	2110		
	Diameter (nominal)	11.75	12.20	
Planetary Gear Set	Reaction carrier assembly	4 steel pinion gears		
	Output carrier assembly	4 steel pinion gears		
	Front band		Circular steel with organic lining	
	Rear Band		Double wrap circular steel	
	Intermediate band	Circular steel with organic lining		
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1	2.48:1 - 1.48:1 - 1.00:1
		L2 (Low two)	2.52:1 - 1.52:1	2.48:1 - 1.48:1
		L1 (Low one)	2.52:1	2.48:1
R (Reverse)		1.93:1	2.08:1	
Servo Unit	Piston with release spring and inner cushion spring			
Case	Material	Aluminum		
	Type	Four, multiple disk	Three, multiple disk	
Clutches	Material	Drive plates	Steel with bonded organic facings	
		Driven plates	Flat steel	
	Forward clutch	4 each drive & driven plates	5 each drive & driven plates	
	Direct clutch	2 each drive & driven plates	5 each drive & driven plates	
	Intermediate clutch	2 each drive & driven plates	3 each drive & driven plates	
	Low & Reverse clutch	4 each drive & driven plates		
	Release spring	Radial row steel coil		
Torque Multiplication	Drive (maximum)	5.04:1 to 1.00	5.21:1 to 1.00	
	Low 2	5.04:1 to 1.52	5.21:1 to 1.48	
	Low 1	5.04:1 to 2.52	5.21:1 to 2.48	
	Reverse	3.86:1 to 1.93	4.37:1 to 2.08	
Governor	Type	Cross-axis centrifugal		
	Operation	Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves		
Lubricant	Type	A suffix A		
	Capacity (pints)	Dry	20	22
		Refill	8	9

(a) 450 RPM input @ 25 in. Hg. vacuum

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100

# 1973

## AMA SPECIFICATIONS FORM

### . . . Passenger Car

<b>MANUFACTURER</b> Chevrolet Motor Division  General Motors Corporation	<b>CAR NAME</b> CHEVROLET						
<b>MAILING ADDRESS</b> Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b>MODEL YEAR</b></td> <td style="width: 40%;"><b>ISSUED</b></td> </tr> <tr> <td style="text-align: center;">1973</td> <td style="text-align: center;">September 1972</td> </tr> <tr> <td></td> <td style="text-align: center;"><small>REVISED (•)</small></td> </tr> </table>	<b>MODEL YEAR</b>	<b>ISSUED</b>	1973	September 1972		<small>REVISED (•)</small>
<b>MODEL YEAR</b>	<b>ISSUED</b>						
1973	September 1972						
	<small>REVISED (•)</small>						

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# AMA Specifications Form—Passenger Car

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### NOTES:

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

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MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

BODY MODEL	Body Series, Type and Number. (Use mfg'r's. code for identification)	Number of Passengers (Indicate Front/Rear)	
		Front	Rear
	<u>Model Number</u>		
<u>BEL AIR</u>			
4-door Sedan	1BK69	3	3
<u>IMPALA</u>			
4-door Sport Sedan	1BL39	3	3
2-door Custom Coupe	1BL47	3	3
2-door Sport Coupe	1BL57	3	3
4-door Sedan	1BL69	3	3
<u>CAPRICE CLASSIC</u>			
4-door Sport Sedan	1BN39	3	3
2-door Custom Coupe	1BN47	3	3
2-door Convertible	1BN67	3	3
4-door Sedan	1BN69	3	3
<u>STATION WAGONS</u>			
Bel Air, 4-door, 2-seat	1BK35		
Bel Air, 4-door, 3-seat	1BK45		
Impala, 4-door, 2-seat	1BL35		
Impala, 4-door, 3-seat	1BL45		
Caprice Estate, 4-door, 2-seat	1BN35		
Caprice Estate, 4-door, 3-seat	1BN45		



MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e)

## CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions

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

MODEL	SAE Ref. No.	4-Door	2-Door Coupes		4-Door	Con-	Station
		Sedan	Sport	Custom	Spt. Sedan	vertible	Wagon
<b>WIDTH</b>							
Track - Front	W101	64.1					
Track - Rear	W102	64.0					
Maximum overall car width	W103	79.5					
Body width at No. 2 pillar	W117	79.5	- -	- -	79.5	- -	79.5
Max. front doors open	W120	141.0	161.5		141.0	161.5	141.0
Max. rear doors open	W121	145.1	- -	- -	145.1	- -	145.1

## LENGTH

Body "O" to front of dash	L 30	-0.5					
Wheelbase	L101	121.5					
Overall car length	L103	221.9					
Overhang - front	L104	43.4					
Overhang - rear	L105	57.0					
Body upper structure length	L123	111.0	109.7	96.8	116.3	108.5	146.5
Body "O" line to $\epsilon$ of rear wheel	L127	100.5					
Body "O" line to w/s cowl point	L130	3.9					

## HEIGHT

Passenger Distribution (front & rear)		2-3					
Trunk/Cargo load (lbs.)		2-3-2					
Overall height	H101	54.5	53.7		54.5	53.7	58.3(a)
Cowl height	H114	38.4					
Deck height	H138						
Rocker panel - front	H112	8.2					
To ground From front wheel $\epsilon$		9.1					
Bottom of front door to ground	H133	9.8	9.6		9.8	9.6	10.9
Rocker panel - rear	H111	7.6					
To ground From rear wheel $\epsilon$		8.9					
Bottom of rear door to ground	H135	9.5	- -	- -	9.5	- -	10.9
Windshield slope angle	H122	59.0					

## GROUND CLEARANCE

Bumper to ground - front	H102	12.1					
Bumper to ground - rear	H104	13.0					
Angle of approach	H106	16.2					
Angle of departure	H107	13.4					
Ramp breakover angle	H147	11.1					
Rear axle differential to ground	H153	7.3					
Min. running clearance (Specify)(f)	H156	5.6					

(a) H101 3-seat wagons

57.5

(e) H147 3-seat wagons

(b) H102 3-seat wagons

12.9

(f) H152 exhaust pipe at

H104 3-seat wagons

11.3

x-member

(c) H106 3-seat wagons

17.2

(d) H107 3-seat wagons

11.3

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## CAR AND BODY DIMENSIONS

See Pages 27, 29 for SAE Dimension Definitions

MODEL	SAE Ref. No.	4-Door	2-Door Coupes		4-Door	Con-vertible	Station Wagon
		Sedan	Sport	Custom	Sp. Sedan		

### FRONT COMPARTMENT

H Point to body "O" line	L31	42.3				
Effective head room	H61	38.9	38.1	38.4	38.9	39.6
Max. eff. leg room - accelerator	L34	42.5				42.3
H Point to Heel point	H30	8.2				
H Point travel	L17	5.8				
Shoulder room	W 3	64.3				
Hip room	W 5	62.0				
Upper body opening to ground	H50	44.0	43.7	43.8	44.0	44.0

### REAR COMPARTMENT

H Point couple distance	L50	36.1	33.1	36.1	33.1	34.6
Effective head room	H63	38.0	37.1	37.4	38.1	39.4
Min. effective leg room	L51	38.8	35.8	38.8	35.8	39.4(a)
H Point to Heel point	H31	11.2	10.8	11.2	10.8	12.0
Min. knee room	L48	5.6	3.2	5.6	3.2	5.7(b)
Rear Compartment room	L 3	28.9	26.5	28.9	26.5	29.5(c)
Shoulder room	W 4	63.5	62.1	63.3	61.7	63.5
Hip room	W 6	61.9	56.2	61.9	56.2	62.2
Upper body opening to ground	H51	43.6	--	42.9	--	43.8

### LUGGAGE COMPARTMENT

For 3 seat models (a) 37.4 (b) 3.9 (c) 27.5

Usable luggage capacity (cu. ft.)	V 1	17.7	17.2	17.7	15.4	--
Liftover height	H195	27.5	27.1	27.0	27.6	--
Position of spare tire storage		Sedans and Coupes front center of trunk compartments *				
Method of holding lid open		Torsion rods				

### STATION WAGON - THIRD SEAT

Shoulder Room	W85	48.8
Hip room	W86	48.2
Effective leg room	L86	35.6
Effective head room	H86	37.8
Seat facing direction		Front

### STATION WAGON - CARGO SPACE

Cargo length at floor - front seat	L202	100.5
Cargo length at belt - front seat	L204	94.6
Cargo width - Wheelhouse	W201	48.8
Opening width at belt	W204	42.0
Maximum cargo height	H201	30.6
Rear opening height	H202	29.5
Cargo volume index (cu. ft.) W6 x L204 x H201 1928	V2	106.4

\* Convertible - horizontal right side of luggage compartment;  
Station Wagons - vertical right rear quarter panel.

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## POWER TEAMS

(Indicate whether standard or optional)

Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO **		
	Displ. cu. in.	Carb.	Compr. Ratio	Net @ RPM			"A"	"B"	"C"
				BHP	Torque				
Bel Air 1BK69	Turbo Thrift 250 L6 (base)	One; 1-bbl	8.25:1	100 @ 3600	175 @ 1600	3-speed manual (2.85:1 low)	3.42	--	--
Bel Air and Impala Models	Turbo Fire 350 V8 (base) (a)	One; 2-bbl	8.5:1	145 @ 4000	255 @ 2400	3-speed auto.	2.73(b)	3.08	3.42
Bel Air and Impala Coupes & Sedans only	Turbo Fire 350 V8 (L48)*	One; 4-bbl	8.5:1	175 @ 4400	260 @ 2800	3-speed auto.	2.73	3.08	3.42
Caprice Classic Caprice Estate Impala Cust. Coupe Impala Sta. Wgns. Bel Air Sta. Wgns.	Turbo Fire 400 V8 (LF6) (c)	One; 2-bbl	8.5:1	150 @ 3200	295 @ 2000	3-speed auto.	2.73	3.08	3.42
All Models	Turbo Jet 454 V8 (LS4)*	One; 4-bbl	8.25:1	245 @ 4000	375 @ 2800	3-speed auto.	2.73	--	3.42
*- Optional ** - Positraction available optionally for all ratios # - Same ratios available with air conditioning (V8 engines only) (a) - Optional (L65) with 1BK69 model (b) - 3.08 axle standard with station wagon models (c) - Base engine for Caprice Classic & Estate - optional other models listed A - Standard B - Performance option C - Trailer option + - Station Wagons - 215 @ 4000 345 @ 2400									

## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED <sup>(a)</sup>

MODEL	Turbo-Thrift 250	Turbo Fire 350
	Standard	Standard RPO L48

## ENGINE - GENERAL

Type, no. cyls., valve arr.	In-line 6 OHV	90° V-8 OHV
Bore and stroke (nominal)	3.875 x 3.53	4.00 x 3.48
Piston displacement, cu. in.	250	350
Bore spacing (C to C)		4.40
No. system (front to rear)	L. Bank	1-2-3-4-5-6
	R. Bank	In-line
Firing Order	1-5-3-6-2-4	1-3-5-7 2-4-6-8 1-8-4-3-6-5-7-2
Cylinder Head Material		Cast iron alloy
Cylinder Block Material		Cast iron alloy
Cyl. Sleeve-Wet, dry, none		None
Number of mtg. points	Front	Two
	Rear	One
Engine installation angle		3°55'
Taxable $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower}}$	36.0	51.2
Recommended fuel regular - premium	Regular (unleaded or low lead)	
Cylinder Head Volume (cc)	72.75	75.47
Head Gasket Thickness (Compressed)	.032	.021
Head Gasket Volume (cc)	6.86	4.58
Deck Clearance (nominal) (above or below block)	.008 (below)	.025 (below)
Minimum Combustion Chamber Volume (cc)	71.71	74.47

## ENGINE - PISTONS

Material	Cast aluminum alloy		
Description and finish	Sump head; Slipper Skirt	Sump head; Slipper Skirt	
Weight (piston only) oz.	28.80	21.16	
Clearance (limits)	Top land	.0245-.0335	
	Skirt	Top	.0005-.0015(a)
		Bottom	.0007-.0017(b)
Ring groove diameter	No. 1 ring	3.434-3.444	
	No. 2 ring	3.434-3.444	
	No. 3 ring	3.446-3.456	
	No. 4 ring	3.546-3.556	

(a) Measured 2.44 from top of piston

(b) Measured 1.56 from top of piston

## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (a)

	Turbo-Fire 400 RPO LF6	Turbo-Jet 454 RPO LS4
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## ENGINE - GENERAL

Type, no. cyls., valve arr.	90° V-8 OHV	
Bore and stroke (nominal)	4.126 x 3.75	4.251 x 4.00
Piston displacement, cu. in.	400	454
Bore spacing (C to C)	4.40	4.84
No. system	1-3-5-7	
(front to rear)	2-4-6-8	
L. Bank		
R. Bank		
Firing Order	1-8-4-3-6-5-7-2	
Cylinder Head Material	Cast iron alloy	
Cylinder Block Material	Cast iron alloy	
Cyl. Sleeve-Wet, dry, none	None	
Number of	Two	
mtg. points	One	
Front		
Rear		
Engine installation angle	4°46'	
Taxable		
Di <sup>2</sup> xNo. Cyl.	54.5	57.8
horsepower	2.5	
Recommended fuel	Regular (unleaded or low lead)	
regular - premium		
Cylinder Head Volume (cc)	75.47	113.06
Head Gasket Thickness		
(Compressed)	.039	.028
Head Gasket Volume (cc)	8.81	7.10
Deck Clearance (minimum)		
(above or below block)	.025 (below)	.020 (below)
Minimum Combustion		
Chamber Volume (cc)	74.47	112.06

## ENGINE - PISTONS

Material	Cast aluminum alloy		
Description and finish	Sump; notched head	Flat head; valve cutout	
Weight (piston only) oz.	26.53	30.85	
Clearance	Top land	.0365-.0455	
	Skirt	Top	.0014-.0024(a)
		Bottom	.0018-.0028(b)
Ring groove	No. 1 ring	3.649-3.659	
	No. 2 ring	3.649-3.650	
	No. 3 ring	6.678-3.688	
	No. 4 ring		

(a) Measured 1.56 from top of piston

(b) Measured 1.65 from top of piston

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e)

<b>MODEL</b>	L6-250 Standard	V8-350 Standard	V8-400 LF6	V8-454 LS4
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## ENGINE - RINGS

<b>Function</b> (top to bottom)	No. 1, oil or comp.	Compression			
	No. 2, oil or comp.	Compression			
	No. 3, oil or comp.	Oil			
	No. 4, oil or comp.				
<b>Compression</b>	<b>Description - upper</b> material, coating, etc.	Cast iron alloy, barrel face; chrome plated (a) (i)			
	<b>lower</b>	Cast iron alloy, inside bevel, tapered face (b)			
	<b>Width</b>	(c)	(d)	.0770-.0780	.0770-.0775
	<b>Gap</b>	.010-.020	(e)	.010-.020	
<b>Oil</b>	<b>Description -</b> material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chrome plated OD; Expander-stainless steel			
	<b>Width</b>	.1870-.1890	.1850-.1870	.1832-.1852	.1855-.1875
	<b>Gap</b>	.015-.055		.010-.025	.010-.030
	<b>Expanders</b>	In oil ring assembly			

## ENGINE - PISTON PINS

<b>Material</b>		Chromium steel			
<b>Length</b>		2.990-3.010		2.930-2.950	
<b>Diameter</b>		.9270-.9273			
<b>Type</b>	Locked in rod, in piston, floating, etc.	Locked in rod			
	Bush- ing	In rod or piston Material	None		
<b>Clearance</b>	In piston	.00015-.00025		(f)	(g)
	In rod				
<b>Direction &amp; amount offset in piston</b>		Major thrust side .060			

## ENGINE - CONNECTING RODS

<b>Material</b>		Drop forged steel			
<b>Weight (oz.)</b>		12.50	20.80	21.44	
<b>Length (center to center)</b>		5.699-5.701	5.695-5.705	5.56-5.57	6.130-6.140
<b>Bearing</b>	<b>Material &amp; Type</b>	(h)	Premium aluminum		
	<b>Overall length</b>	.807	.797	.847	
	<b>Clearance (limits)</b>	.0007-.0027	.0013-.0035		.0009-.0025
	<b>End play</b>	.007-.016	.008-.014		.015-.023

(a) Molybdenum inlay on L6-250, V8-400&454; chrome plate on V8-350

(b) Chrome plate on V8-400; wear resistant coatings all other engines

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

(d) Upper .0775-.0780; lower .0770-.0775

(e) Upper .010-.020; lower .013-.025

(f) .00025-.00035

(g) .00040-.00050

(j) Copper lead alloy-steel backed

(i) Also graphite impregnated on LS4

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<b>MODEL</b>	L6-250 Standard	V8-350 Standard L48	V8-400 LF6	V8-454 LS4
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## ENGINE – CRANKSHAFT

<b>Material</b>		Cast nodular iron				
<b>Vibration damper type</b>		Rubber mounted inertia				
<b>End thrust taken by bearing (No.)</b>		7	5			
<b>Crankshaft end play</b>		.002-.006	.002-.007		.006-.010	
<b>Material &amp; type</b>		Steel backed insert copper lead alloy or premium aluminum lining selected for specific application				
<b>Clearance</b>		.0003-.0029	(a)	(a)	(b)	
<b>Main bearing</b>	<b>Journal dia. and bearing overall length</b>	No. 1	2.3004x.752	2.4502x.752	2.6503x.752	2.7499x.992
		No. 2	2.3004x.752	2.4502x.752	2.6503x.752	2.7504x.992
		No. 3	2.3004x.752	2.4502x.752	2.6503x.752	2.7504x.992
		No. 4	2.3004x.752	2.4502x.752	2.6503x.752	2.7504x.992
		No. 5	2.3004x.752	2.4508x1.180	2.6503x.752	2.7504x.992
		No. 6	2.3004x.752	None		2.7505x1.256
	No. 7	2.3004x.760	None			
<b>Dir. &amp; amt. cyl. offset</b>		None				
<b>No. bolts/main brg. cap</b>		14 & 7	10 & 5	16 & 5	10 & 5	
<b>Crankpin journal diameter</b>		1.999-2.000	2.099-2.100		2.199-2.200	

## ENGINE – CAMSHAFT

<b>Location</b>		(c)	In block above crankshaft			
<b>Material</b>		Cast alloy iron				
<b>Bearings</b>	<b>Material</b>	Steel backed babbitt				
	<b>Number</b>	4	5			
<b>Type of Drive</b>	<b>Gear or chain</b>	Gear	Chain			
	<b>Crankshaft gear or sprocket material</b>	Steel	Steel sprocket			
	<b>Camshaft gear or sprocket material</b>	(d)	Nylon teeth with aluminum hub			
	<b>Timing chain</b>	<b>No. of links</b>	None	46	50	
		<b>Width</b>	None	.625	.750	
<b>Pitch</b>		None	.500	.500		

- (a) No. 1 - .0008-.0020  
 No. 2, 3 & 4 - .0011-.0023  
 No. 5 - .0017-.0033
- (b) No. 1 - .0007-.0019  
 No. 2, 3 & 4 - .0013-.0025  
 No. 5 - .0019-.0035
- (c) Above and to right of crankshaft
- (d) Bakelite and fabric composition with steel hub

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MODEL	L6-250	V8-350	V8-400	V8-454
	Standard	Standard   L48	LF6	LS4

ENGINE - VALVE SYSTEM

Hydraulic lifters (Std., opt., NA) Standard

Valve rotator, type (intake, exhaust)	None	Exhaust		
Rocker ratio	1.75:1	1.50:1		1.70:1

Operating tappet clearance (indicate hot or cold)	Intake	Zero		
	Exhaust	Zero		

Timing (based on top of ramp points)	Intake	Opens (°BTC)	16°	28°	55°
		Closes (°ABC)	48°	72°	111°
		Duration (deg.)	244°	280°	346°
	Exhaust	Opens (°BBC)	46°30'	78°	105°
		Closes (°ATC)	17°30'	30°	63°
		Duration (deg.)	244°	288°	348°
Valve open overlap (deg.)		33°30'	58°	118°	

Intake	Material				Alloy steel, aluminized face on L6, V8400 & 454 (a)			
	Overall length		4.902-4.922		4.870-4.889		5.215-5.235	
	Actual overall head dia.		1.715-1.725		1.935-1.945		2.060-2.070	
	Angle of seat & face (deg.)		46° (seat) 45° (face)					
	Seat insert material		None					
	Stem diameter				.3410-.3417		.3715-.3722	
	Stem to guide clearance		.0010-.0027					
	Lift (+ zero lash)		.3880		.3900		.4400	
	Outer spring press. & length	Valve closed (lb. in.)	56-64 @ 1.66		76-84 @ 1.70		74-86 @ 1.88	
		Valve open (lb. in.)	180-192 @ 1.27		194-206 @ 1.25		288-312 @ 1.38	
	Inner spring press. & length	Valve closed (lb. in.)	None		Spring damper			
		Valve open (lb. in.)	None		Spring damper			

Exhaust	Material				High alloy steel, aluminized face (a)			
	Overall length		4.913-4.933		5.345-5.365		1.715-1.725	
	Actual overall head dia.		1.495-1.505		1.715-1.725			
	Angle of seat & face (deg.)		46° (seat); 45° (face)					
	Seat insert material		None					
	Stem diameter				.3410-.3417		.3713-.3720	
	Stem to guide clearance		.0010-.0027					
	Lift (+ zero lash)		.3880		.4100		.4400	
	Outer spring press. & length	Valve closed (lb. in.)	56-64 @ 1.66		76-84 @ 1.61		@ 1.88	
		Valve open (lb. in.)	180 @ 1.92 @ 1.27		194-206 @ 1.16		288-312 @ 1.38	
	Inner spring press. & length	Valve closed (lb. in.)	None		Spring damper			
		Valve open (lb. in.)	None		Spring damper			

(a) Head aluminized on V8-454



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MODEL	L6-250 Standard	V8-350 Standard	V8-400 LF6	V8-350 L48	V8-454 LS4
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## 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 Centrifugally oiled from camshaft bearing
	Cylinder walls	Splash Pressure jet cross sprayed
Oil pump type		Gear
Normal oil pressure (lb. engine rpm)		40 PSI @ 2000 RPM
Oil press. sending unit (elect. or mech.)		Electric
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part., other)		Full flow
Filter replacement (element, complete)		Complete
Capacity of c/case, less filter-refill (qt.)		4
Oil grade recommended (SAE viscosity and temperature range)	20°F and above - 20w, 10w-30, 10w-40, 20w-40 0° to 60°F - 10w, 5w-30, 10w-30, 10w-40 Below 20°F - 5w-20, 5w-30	
Engine Service Reqmt. (MM, MS, etc.)	SE	

## ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with crossover	Dual	Dual (a)
Muffler No. & type (reverse flow, straight thru, separate resonator)	One; reverse flow		2 mufflers no resonator	2 mufflers & 2 resonators (a)
Exhaust pipe dia. (O.D., wall thick.)	Branch	None	None	2.00x.069(c)
	Main	2.00x.064	2.25x.072 (b)	2.00x.082(b) 2.25x.082(b) (d)
Tail pipe dia. (O.D. & wall thickness)	1.88x.076	2.00x.069	2.00x.061	2.00x.069 (e)

- (a) Station wagon-single exhaust (one muffler and resonator)
- (b) Laminated
- (c) Pipe-muffler to resonators; 2.25 for station wagons
- (d) 2.50 for station wagons
- (e) 2.25 x .056 for station wagons

## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED <sup>(\*)</sup>

MODEL	L6-250	V8-350	V8-400	V8-454
	Standard	Standard	L48	LF6
				LS4

## ENGINE - FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Refill capacity (U.S. gals.)	Approximately 26; station wagons 22	
	Filler location	Behind hinged rear license plate **	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower right front of engine	
	Pressure range *	4.00-5.00	7.50-9.00
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gas tank	
	Locations	and paper filter element in carburetor inlet	
Carburetor	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air cleaner type	Standard	Thermostatically controlled; oil wetted paper element
		Optional	
	Idle speed (spec. neutral or drive)	Manual - N	700
	Automatic D	N.A.	600
	Idle A/F mix.	Not specified	

## CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
1BK69	250	Manual	Rochester	7043017 (7043317)	One; 1-bbl	1.69
Bel Air and Impala Models	350 L65	Automatic	Rochester	7043114 (7043414)	One; 2-bbl	1.44
Coupe & Sedans only for Bel Air and Impala Models	350 L48	Automatic	Rochester	7043202 (7043502)	One; 4-bbl	1.38 Prim. 2.25 Sec.
All Models	400	Automatic	Rochester	7043118 (7043418)	One; 2-bbl	1.69
See Page 4	454	Automatic	Rochester	7043200 (7043500)	One; 4-bbl	1.38 Prim. 2.25 Sec.
* - Shut off pressure - 1800 RPM at pump outlet						
** - Left quarter panel on station wagons						
NOTE: Items bracketed ( ) are used in engines required for California.						

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (a)

MODEL	L6-250 Standard	V8-350 Standard	L48	V8-400 LF6	V8-454 LS4
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## ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure-vented thru coolant recovery system				
Radiator cap relief valve pressure	15±1 PSI				
Circulation thermostat	Type (choke, bypass)	Choke			
	Starts to open at (°F)	192°-198°			
Water pump	Type (centrifugal, other)	Centrifugal			
	GPM 1000 pump rpm	20.4@2300	26 @ 1900	26.5@1900	24.3 @ 1900
	Number of pumps	One			
	Drive (V-belt, other)	V-belt			
Bearing type	Permanently lubricated double row ball				
By-pass recirculation type (inter., ext.)	Internal			External	
Radiator core type (cellular, tube and fin, other)					
Cooling system capacity	With heater (qt.)	14	18	24	
	Without heater (qt.)	13	17	23	
	Opt. equipment-specify (qt.)	14	18	25	
Water jackets full length of cyl. (yes, no)	Yes				
Water all around cylinder (yes, no)	Yes				
Radiator hose	Lower	Number and type (molded, straight)	One; molded		
		Inside diameter	1.75		
	Upper	Number and type (molded, straight)	One; molded		
		Inside diameter	1.50		
	By-pass	Number and type (molded, straight)	None		One; molded
		Inside diameter	None		.690-.750
Fan	Number of blades & spacing	4-blade staggered			7-blade
	Diameter	17.62	19.00	19.50	
	Ratio-fan to crankshaft rev.	1.165:1	9.49:1		
	Fan cutout type	Thermo modulated clutch on V8-454 only			
Bearing type	Double row ball				
*Drive belts (indicate belt used by letter)	Fan	A B	D	G	
	Generator or alternator	A B	D	G	
	Water Pump	A B	D	G	
	Power Steering	C	E	H	
	Air Conditioning	-	F	I	
Air Injection	B	D	G		

Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	←————— 34° - 38° —————→										
Nominal Length (SAE)	37.30	51.50	53.75	63.00	66.00	54.50	50.00	41.00	58.00		
	←————— 1.580 —————→										

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED <sup>(\*)</sup>

MODEL \_\_\_\_\_

## VEHICLE EMISSION CONTROL

Exhaust Emission Control	Type (Air injection, engine modifications, other)		Air Injection
	Air Injection Pump	Type	Semi-articulated vane type
		Displacement	19.3 cubic inch
		Drive ratio	1.15:1
		Drive type	Crankshaft pulley
		Relief valve (type)	Diverter valve
	Air Injection System	Filter (describe)	Centrifugal air cleaner
		Air distribution (head, manifold, etc.)	Manifold
		Point of entry	Exhaust parts
		Injection tube i.d.	.2565
Check valve type		Pressure plate type	
Backfire protection (type)		Diverter valve	
Type (ventilates to atmos., induction system, other)		Standard	Induction system
		Optional	
Crankcase Emission Control	Control Unit	Make and model	AC Spark Plug Division -6484603 (L6) 6484541 (V8)
		Location	Rocker cover-top rear L6; left front V8
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum
	Complete system	Control method (variable orifice, fixed orifice, other)	Variable orifice
		Discharges (to intake manifold, other)	Intake manifold
		Air inlet (breather cap, other)	Carburetor air cleaner
		Flame arrestor (screen, other)	Screen
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)	Approximately 26; station wagons 22
		Thermal expansion volume (cu. ft.)	Approximately 10% of refill capacity
		Pressure relief location (lbs.)	1.1 PSI
		Vacuum relief location (lbs.)	0.3 PSI
		Vapor-liquid separator type	Integral chamber with fuel tank
	Carburetor	Vapor vented to (crankcase, canister, other)	Canister
			---
			No vents
	Vapor Storage	Vapor vented to (crankcase, canister, other)	---
		Storage provision (crankcase, canister, other)	Canister
		---	
	Volume (cu. ft.) or capacity (grams)	50 grams (approximately) vapor storage	
	Control valve type	Vacuum controlled staged purge valve	

## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED 10-72

MODEL	L6-250	V8-350	V8-400	V8-454
	Standard	Std. & L48		LS4

## ELECTRICAL — SUPPLY SYSTEM

Battery	Make and Model	Delco Remy	1980141	1980145	1980149	
	Voltage Rtg. & Total Plates		12 volts-54 plates	12 volts-66 plates	12 volts-90 plates	
	Cranking Power		2300 watts @ 0° F	2900 watts @ 0° F	3750 watts @ 0° F	
	Location	Right side of engine compartment				
	Terminal grounded	Negative				
Generator or Alternator	Make	Delco-Remy				
	Model	1100497		1100934		
	Type and rating	Divide rectified - 37 amps				
	Output at engine idle (neutral)	12-15 amps.				
	Ratio—Gen. to Cr/s rev.	2.73:1		2.15:1		
Regulator	Make	Delco-Remy				
	Model					
	Type	Micro circuit unit; integral with alternator				
	Cutout relay	Closing voltage @ generator rpm	None			
		Reverse current to open	None			
	Regulated	Voltage	13.8 - 14.8 @ 85° F			
		Current	--			
	Voltage test conditions	Temperature	Operating			
		Load	3-8 amperes			
		Other	None			

## ELECTRICAL — STARTING SYSTEM

Starting Motor	Make	Delco-Remy				
	Model	1108305		1108430		
	Rotation (drive end view)	Clockwise				
Motor control	Switch (solenoid, manual)	Solenoid				
	Starting procedure	Manual-Place gearshift lever in neutral and depress clutch Automatic-Place gearshift lever in N or P position Initial Start-Press accelerator to floor & release. Turn ignition to START, release as soon as engine starts.				
Motor Drive	Engagement type	Positive shift solenoid				
	Pinion meshes (front, rear)	Rear				
	Number of teeth	Pinion	9		9	
		Flywheel	Manual	153		--
	Auto.		--		168	
	Flywheel tooth face width	Manual	.4010 - .4130		--	
Auto.		--		.4100 - .4220		

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED <sup>(\*)</sup>

	L6-250	V8-350	V8-400	V8-454
MODEL	Standard	Standard	L48	LF6 LS4

**ELECTRICAL - IGNITION SYSTEM - DISTRIBUTOR**

Breaker-gap (in.)		.019			
Cam angle (deg.)		31-34	29-31		28-30
Brkr. arm tension (oz.)		19-23			28-32
Distributor	Manual	1110499	---	---	---
	Automatic	--	1112168	1112094	1112166 1112113
Timing	Manual	6°BTC @ 700	---	---	---
	Automatic	--	8°BTC @ 600	12°BTC @ 600	8°BTC @ 600 10°BTC @ 600

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
1110499	1100	---	21 @ 4200	6.00	22 @ 14
1112094	1200	---	14 @ 4200	6.00	15 @ 14
1112113	1100	11 @ 2400	18 @ 4200	6.00	18 @ 14.5
1112166	1050	12 @ 3000	20 @ 4200	8.00	18 @ 14.5
1112168	1000	12 @ 3000	18 @ 4200	4.00	16 @ 7

## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL	L6-250	V8-350	V8-400	V8-454
	Standard	Standard	LF6	LS4

## ELECTRICAL — IGNITION SYSTEM

Type	Conventional — Std., Opt., N.A.	Standard	
	Transistorized — Std., Opt., N.A.	Not available	
	Other (specify)	None	
Coil	Make	Delco-Remy	
	Model	1115208 1115293	
	Amps	Engine stopped	4.0
		Engine idling	1.8
Spark Plug	Make	AC Spark Plug	
	Model	ACR 46T AC R44 T	
	Thread (mm)	14	
	Tightening torque (lb. ft.)		
	Gap	.033-.038	
Cable	Conductor type	Linen core impregnated with electrical conducting material	
	Insulation type	Rubber with neoprene jacket	
	Spark plug protector	Neoprene	

## ELECTRICAL — SUPPRESSION

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

## ELECTRICAL — INSTRUMENTS AND EQUIPMENT

Speed-ometer	Type	In-line with pointer
	Trip odometer (std. opt., N.A.)	Not available
Charge indicator — type		Tell-tale
Temperature indicator — type		Tell-tale
Oil pressure indicator — type		Tell-tale
Fuel indicator — type		Electric gauge
Wind-shield wiper	Type — Standard	Electric, two-speed
	Type — Optional	None
Wind-shield washer	Type — Standard	Push-button
	Type — Optional	None
Horn	Type	Vibrator
	Number used	Dual-1 BN00 models; One (low note) on remainder
	Amp draw (each)	4.5-6.5 @ 12.5V
Other		Parking brake and brake failure warning light.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e) \_\_\_\_\_

MODEL \_\_\_\_\_ L6-250 Standard

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

Make & type	<u>Chevrolet, single dry disc</u>	
Type pressure plate springs	<u>Diaphragm</u>	
Total spring load (lb.)	<u>1900-2200</u>	
No. of clutch driven discs	<u>One</u>	
Clutch facing	Material	<u>Woven type asbestos</u>
	Outside & inside dia.	<u>10.34 x 6.50</u>
	Total eff. area (sq.in.)	<u>101.54</u>
	Thickness	<u>.135</u>
	Engagement cushioning method	<u>Flat spring steel between facings</u>
Release bearing	Type & method of lubrication	<u>Single row ball, packed and sealed</u>
Torsional damping	Methods: springs, friction material	<u>Coil springs</u>

**DRIVE UNITS – TRANSMISSIONS**

Manual 3-speed (std., opt. N.A.)	<u>Standard L6-250; Not available with V8 engines</u>
Manual 4-speed (std., opt. N.A.)	<u>Not available</u>
Automatic (std., opt. N.A.)	<u>Standard all V8 engines</u>

**DRIVE UNITS – MANUAL TRANS.**

Number of forward speeds		<u>3</u>	
Transmission ratios	In first	<u>2.85</u>	
	In second	<u>1.68</u>	
	In third	<u>1.00</u>	
	In fourth	<u>--</u>	
	In reverse	<u>2.95</u>	
Synchronous meshing, specify gears		<u>All forward gears</u>	
Shift lever location		<u>Steering column</u>	
Lubricant	Capacity (pt.)	<u>3</u>	
	Type recommended	<u>Meeting Military Specs. MIL-L-2105B</u>	
	SAE viscosity number	Summer	<u>SAE 80</u>
		Winter	<u>SAE 80</u>
Extreme cold		<u>SAE 80</u>	



# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL 3-Speed Automatic  
V8-350 & 400 V8-454

## DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-matic	
Type describe	Torque converter with planetary gears	
Selector location	Lever, steering column	
List gear ratios Selector Pattern and indicate which are used in each selector position	P-Park R-1.93 N-Neutral D-2.52-1.52-1.00 L2-2.52-1.52 L1-2.52	P-Park R-2.08 N-Neutral D-2.48-1.48-1.00 L2-2.48-1.48 L1-2.48
Max. upshift speed-drive range		
Max. kickdown speed-drive range		
Torque converter	Number of elements	3
	Max. ratio at stall	2.1
	Type of cooling (air, liquid)	Water
	Nominal diameter	11.75
Lubricant	Capacity-refill (pt.)	8
	Type recommended	A suffix A
Special transmission features	--	

## DRIVE UNITS – PROPELLER SHAFT

		Sedans and Coupes	Station Wagons
Number used		One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube	Swaged tube; internal damper
Outer diam. x length* x wall thickness	Manual 3-speed trans.	3.25x59.49x0.065	Not Available
	Manual 4-speed trans.	Not Available	
	Overdrive transmission	Not Available	
	Automatic transmission	2.75x56.49x0.065	3.25x59.74x0.065

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

(Continued)

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (e)

Sedans & Coupes

Station Wagons

MODEL \_\_\_\_\_

## DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)	None	
	Lubrication (fitting, prepack)	--	
Slip Yoke	Type	Yoke	
	Number of teeth	27	
	Spline O.D.	1.176	
Universal joints	Make and Mfg. No.	Saginaw Steering Gear 44	
	Number used	Two (2)	
	Type (ball and trunnion, cross)	Constant velocity, rear; cross, front	Cross
	Rear attach. (u-bolt, clamp, etc.)	U-bolt	
Bearing	Type (plain, anti-friction)	Anti-friction	
	Lubric. (fitting, prepack)	Pre-pack	
Drive taken through (torque tube or arms, springs)		Control arms	Rear leaf springs
Torque taken through (torque tube or arms, springs)		Control arms	Rear leaf springs

## DRIVE UNITS – AXLE

Type (front, rear)	Rear		
Description	Semi-floating axle shafts overhung hypoid drive pinion and ring gear		
Limited Slip differential, type	Multiple disc clutches		
Drive Pinion Offset	1.75		
No. of differential pinions	Two (2)		
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Taper roller		
Lubricant	Capacity (qt.)	4.25 - 8-1/2 ring gear; 4.9 - 8-7/8 ring gear	
	Type recommended	Open diff: Meeting Military Specs MIL-L-2105 B	
	SAE viscosity number	Summer	SAE-80
		Winter	SAE-80
	Extreme cold	SAE-80	

## AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio	3.42	2.73	3.08	2.73	3.08	3.42
No. of teeth	Pinion	12	15	13	15	12
	Ring gear	41	41	40	41	41
Ring Gear O.D.		8.50		8.875		

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED <sup>(e)</sup> \_\_\_\_\_

<b>MODEL</b> _____	Sedans & Coupes	Station Wagons
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**DRIVE UNITS – PROPELLER SHAFT (cont.)**

<b>Inter-mediate bearing</b>	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
<b>Slip Yoke</b>	Type	Yoke
	Number of teeth	27
	Spline O.D.	1.176
<b>Universal joints</b>	Make and Mfg. No.	Saginaw Steering Gear 44
	Number used	Two (2)
	Type (ball and trunion, cross)	Constant velocity, rear; cross, front
	Rear attach. (u-bolt, clamp, etc.)	U-bolt
	<b>Bearing</b>	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Pre-pack
Torque taken through (torque tube or arms, springs)		Control arms      Rear leaf springs
Torque taken through (torque tube or arms, springs)		Control arms      Rear leaf springs

**DRIVE UNITS – AXLE**

Type (front, rear)	Rear		
Description	Semi-floating axle shafts overhung hypoid drive pinion and ring gear		
Limited Slip differential, type	Multiple disc clutches		
Drive Pinion Offset	1.75		
No. of differential pinions	Two (2)		
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Taper roller		
<b>Lubricant</b>	Capacity (pt.)	4.25 - 8-1/2 ring gear; 4.9 - 8-7/8 ring gear	
	Type recommended	Open diff: Meeting Military Specs MIL-L-2105 B	
	SAE viscosity number	Summer	SAE-80
		Winter	SAE-80
Extreme cold		SAE-80	

**AXLE RATIO TOOTH COMBINATIONS**

(See page 4 for axle ratio usage)

<b>Axle ratio</b>	<b>3.42</b>	<b>2.73</b>	<b>3.08</b>	<b>2.73</b>	<b>3.08</b>	<b>3.42</b>
<b>No. of teeth</b>	Pinion	15	13	15	13	12
	Ring gear	41	40	41	40	41
<b>Ring Gear O.D.</b>		8.50		8.875		

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9/72 REVISED <sup>(a)</sup>

MODEL \_\_\_\_\_ Sedans & Coupes Station Wagons

## BRAKES - SERVICE

Type (drum) or (disc & no. of pistons)			Disc front; drum rear (finned)		
Self adjusting (std., opt., N.A.)			Standard		
Special Valving	Type (proportion, delay, metering, other)		Delay for front; proportion - for rear on all vehicles except station wagons		
Power brake make & type (remote, int., etc.)	Std.	Opt.	Delco Moraine - integral		
Effective area (sq. in.) *			109.2	123.2	
Gross lining area (sq. in.) **			123.11	131.9	
Swept area (sq. in.) ***			380.0	392.6	
Effectiveness		Front	Controlled by valving		
		Rear			
Drum	Diameter (nominal)	Front	--		
		Rear	11.0	12.0	
Type and material		Cast iron, finned			
Rotor	Outer working diameter		11.86		
	Inner working diameter		7.90		
	Thickness		1.28		
	Material & type (vented/solid)		Cast iron, vented		
Wheel cylinder bore	Front	2.9375			
	Rear	0.9375	1.0		
Master Cylinder	Bore	1.125			
	Stroke	1.41			
Pedal arc ratio		3.82			
Line pressure at 100 lb. pedal load		773			
Shoe Clearance	Front	Self-adjusting			
	Rear	Self-adjusting			
Anti-skid device type (std., opt., N.A.)		Not available			
Brake lining	Bonded or riveted		Riveted	Riveted	
	Front Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	5.40 x 1.92 x 0.54	
			Second. or in-board	5.40 x 1.92 x 0.54	
		Segments per shoe		One	
	Rear Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	8.88 x 2.0 x 0.25	9.85 x 2.0 x 0.25
			Second. or in-board	11.53 x 2.0 x 0.29	12.77 x 2.0 x 0.32
		Segments per shoe		One	

\* Excludes rivet holes, grooves, chamfers, etc. \*\* Includes rivet holes, grooves, chamfers, etc.  
 \*\*\* Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)

## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED 0

MODEL \_\_\_\_\_

## STEERING

Manual (std., opt., NA)		Not available		
Power (std., opt., NA)		Standard		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt; Universally jointed steering shaft at base of steering wheel; 5 inch vertical travel range; 6 positions		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	--		
	Power	Oval - 15.25 x 14.75		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	45.2 - sedan and coupe; 46.2 - station wagon	
		Curb to curb (l. & r.)	41.7 - sedan and coupe; 42.8 - station wagon	
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Manual	Gear	Type	--	
		Make	--	
	Ratios	Gear	--	
		Overall	--	
	No. wheel turns (stop to stop)		--	
Power	Type (coaxial, linkage, etc.)		Integral gear and power piston with vane type pump	
	Make		Saginaw steering	
	Gear	Type	Semi-reversible, recirculating ball nut	
		Ratios	Gear	15.0:1 - 13.0:1
	Overall		17.2:1 - 14.9:1	
	Pump driven by		Crankshaft pulley belt drive	
No. wheel turns (stop to stop)		3.06		
Linkage	Type		Parallelogram	
	Location (front or rear of wheels, other)		Front	
	Drag link (trans. or longit.)		None	
	Tie rods (one or two)		Two	
Steering Axis	Inclination at camber (deg.)		9.59 @ 1°	
	Bearings (type)	Upper	Ball stud with non-metallic bearing surface	
		Lower	Ball stud with non-metallic bearing surface	
		Thrust	None	
Wh. Align. (range of curb wt. & preferred)	Caster (deg.)		0° to P2°	
	Camber (deg.)		Left: 0° to 2° Right: N 1/2° to P 1 1/2°	
	Toe-in (outside track inches)		N 1/16 to F 3/16	
Steering spindle & joint type		Nodular iron knuckle with upper and lower spherical joints		
Wheel Spindle	Diameter	Inner bearing	1.37435 ± .00025	
		Outer bearing	0.54325 ± .00025	
	Thread size		3/4-20 UNEF-3A (modified)	
	Bearing type		Taper roller	

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL \_\_\_\_\_

(See Supplement page for details on Air Suspension)

## SUSPENSION – GENERAL

Provision for car leveling	Front stabilizer bar except 6 cylinder Bel Air	
Provision for brake dip control	Front suspension geometry	
Provision for acc. squat control	Rear suspension geometry	
Special provisions for car jacking	Position jack in bumper slot on lower face of front and rear bumpers	
Shock absorber front & rear	Type	Direct, double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features	Air lift rear shock absorbers optional	

## SUSPENSION – FRONT

Type and description	Independent-SLA type with coil springs 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.)	Coupes and Sedans 11.0 x 4.05; 146.09 x .698 Station Wagons 11.0 x 4.05; 137.62 x .719
	Spring rate (lb. per in.)	440 (a)
	Rate at wheel (lb. per in.)	128 (a)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	0.94-sedans; HR steel-1.00 station wagons

## SUSPENSION – REAR

Type and description	Seds. & Cpes.-4-Link type; 2 upper and 2 lower control arms	
Drive and torque taken through	Sedans & Coupes-control arms; Wagons-multiple leaf springs	
Spring	Type	Sedans & Coupes-coil; Wagons-Multiple leaf springs
	Material	Steel alloy
	Size (length x width, coil design height & I.D., bar length & dia.)	Coupes and Sedans 10.0 x 5.50; 125.7 x .609 (a) Station Wagons 57.00 x 2.50 (a)
	Spring rate (lb. per in.)	155 (1BK69)                      182 (1BK35) (a)
	Rate at wheel (lb. per in.)	157 (1BK69)                      192 (1BK35) (a)
	Mounting insulation type	Natural rubber
	If leaf	No. of leaves                      Station Wagons-six (6) Shackle(comp. or tens.)              Compression
Stabilizer	Type (link, linkless, frameless)	--
	Material & bar diameter	--
Track bar type	--	

(a) For base equipped model 1BK69 and/or 1BK35. Springs for all models computer selected by size and rate according to vehicle weight including optional equipment.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED <sup>(a)</sup>

MODEL \_\_\_\_\_  
FRAME \_\_\_\_\_

Type and description (Separate frame, unitized frame, partially - unitized frame)	Separate frame, perimeter type incorporating (3) crossmembers.
---	--

BODY - MISCELLANEOUS INFORMATION		4-Dr. Sedan	Sport Sedan	Sport Coupe	Custom Coupe	Convertible	Station Wagon
Drs. hinged (front, rr.)	Front doors	Front					
	Rear doors	Front					
Type of finish (lacquer, enamel, other)		Acrylic lacquer					
Hood counterbalanced (yes, no)		Yes					
Hood release control (internal, external)		Internal					
Vehicle Ident. No. location		Top left of instrument panel pad					
Engine No. location		6 cyl. - right side of cyl. block, rear of distributor V8 - front right side of engine block					
Theft protection - type		Lock mounted on steering column; locks steering wheel, transmission shift lever and ignition					
Vent window control method (crank, friction pivot)	Front	None					
	Rear	None					
Seat cushion type	Front	Formed foam pad					
	Rear	Formed foam pad					
	3rd seat	Formed foam pad					
Seat back type	Front	Formed foam pad					
	Rear	Formed foam pad					
	3rd seat	Formed foam pad					
Windshield glass type (i.e., single curved - laminated plate)		Single curve-laminated plate					
Side glass type (i.e., curved - tempered plate)		Curved-tempered plate					
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound curve-tempered plate, one piece (a)					
Windshield glass exposed surface area		1542.7	1511.4	1511.4	1511.4	1445.1	1542.7
Side glass exposed surface area		1510.1	1557.8	1468.0	1559.4	1531.9	3265.7
Backlight glass exposed surface area		1531.3	1763.1	1470.0	881.9	738.1	882.1
Total glass exposed surface area		4584.1	4832.3	4449.4	3952.7	3715.1	5690.5

(a) Convertible- Flat tempered plate glass, one piece.

# AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (\*)

MODEL \_\_\_\_\_

## CONVENIENCE EQUIPMENT

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

Power windows	Side windows	Optional all models except 1BK00	
	Vent windows	NA	
	Backlight or tailgate	Standard all wagons	
Power seats (specify type as well as availability)		6-way power bench seat except 1BK00	
Reclining front seat back (R-L or both)		Optional, Models 1BN39-47-69, Front seat 50/50 Bench	
Front seat head restrainer (R-L or both)		Both standard	
Radios (specify type as well as availability)		Pushbutton, Optional: AM, AM-FM, AM-FM Stereophonic, AM w/Stereo Tape, AM-FM Stereo w/Stereo Tape.	
Rear seat speaker		Optional	
Power antenna		NA	
Clock		Optional-1BK, 1BL00; Standard 1BN00	
Air conditioner (specify type and availability)		Comfortron	Four-season
		Optional-all V8 models	Automatic temp. control Manual Cont.
Speed warning device		NA	
Speed control device		Optional V8 models	
Ignition lock lamp		NA	
Dome lamp		Standard-all models except convertible	
Glove compartment lamp		Standard	
Luggage compartment lamp		Optional-1BK69 exc. wagons - Standard 1BL, 1BN00 exc. wagons	
Underhood lamp		Optional-all models	
Litesy lamp (2)		Standard 1BN00; Optional all other models	
Dome reading lamp		Optional-all models	
Auto. trans. quad. lamp		Standard	
Cornering light lamp		NA	
Rear window defroster electrically heated		NA	
Rear window defogger		Optional	
Windshield antenna		Included with factory installed radio also with tinted windshield glass	

## LAMP HEIGHT AND SPACING

Sedans & Coupes

Station Wagons

Height above ground to center of bulb or marker	Headlamp (H125)	Highest *		
		Lowest		
	Tail (H126)	Highest	24.65	25.17
		Lowest	22.75	21.67
	Sidemarker	Front		
		Rear		
Distance from C.L. of car to center of bulb	Headlamp	Inside		
		Outside *		
	Tail	Inside		
		Outside		
	Directional	Front		
		Rear		

Single headlamps are used enter here.





## AMA Specifications Form—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1973 DATE ISSUED 9-72 REVISED (a)

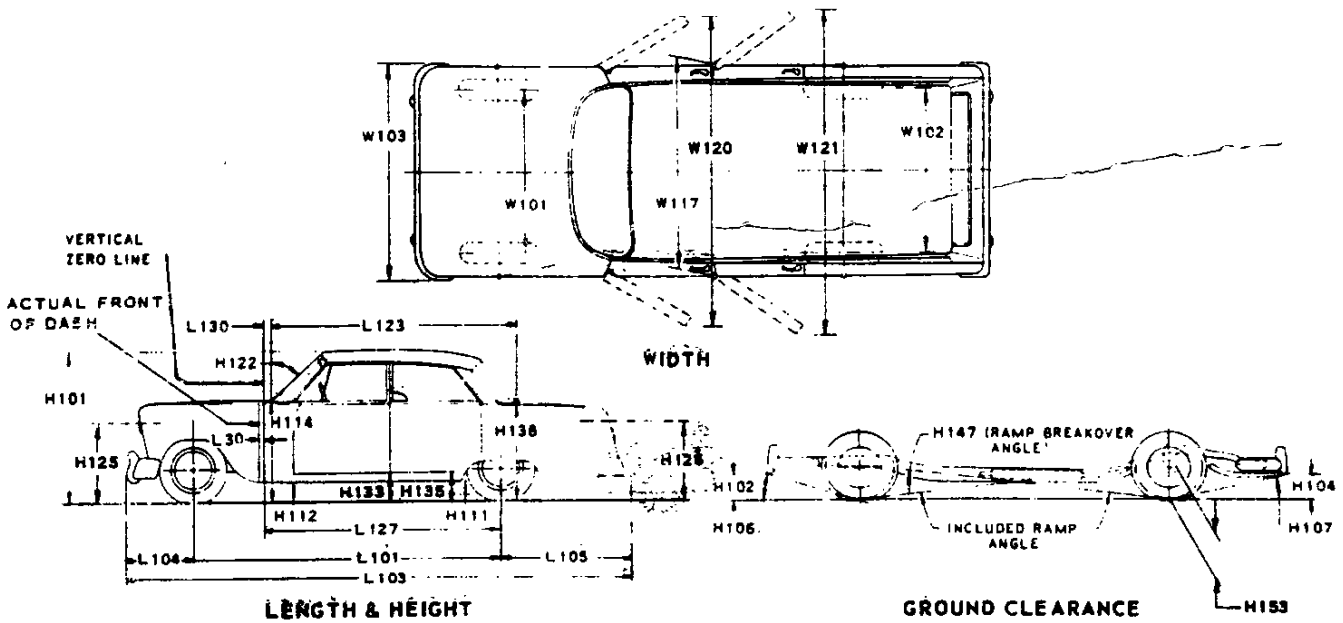
## OPTIONAL EQUIPMENT WEIGHTS

Equipment Differential Weights	WEIGHT (Pounds)			Remarks
	Front	Rear	Total	
Air Cond. Comfortron	+101	+ 6	+107	Used with V8-L48/L65 (a)/LF6
	+107	+ 6	+113	Used with V8-LS4
Air Cond. 4-Season	+ 97	+ 6	+103	Used with V8-L48/L65(a)/LF6
	+103	+ 6	+109	Used with V8-LS4.
Electric Door Locks	+ 5	+ 3	+ 8	2-Door Models
	+ 9	+ 4	+ 13	4-Door Models
Power Windows	+ 11	+ 9	+ 20	2-Door Models
	+ 13	+ 11	+ 24	4-Door Models except 1BK69, 35, 45
Power Seat	+ 11	+ 9	+ 20	All except 1BK69, 35, 45
Front Seat 50/50 Bench	+ 21	+ 18	+ 39	Models 1BN39-69
Front Seat 50/50 Bench	+ 15	+ 13	+ 28	Model 1BN47
Front & Rear Floor Mats	+ 6	+ 5	+ 11	
Vinyl Roof Cover	+ 2	+ 5	+ 7	All exc sta wgn.
	+ 3	+ 6	+ 9	Station wagons
Heavy Duty Frt & Rr. Susp	+ 16	0	+ 16	1BK69 & L22 (b)
	+ 18	0	+ 18	1BK69 & LF6/LS4/L47/L65 (a)
	+ 16	0	+ 16	1BK35-45-1BL-1BN00
Wire Wheel Trim Covers	+ 11	+ 11	+ 22	1BK-1BL00 Models
	+ 9	+ 9	+ 18	1BN00 Models
Heavy Duty Battery	+ 16	- 2	+ 14	
Radio AM Push Button	+ 4	+ 2	+ 6	
Radio AM/FM Push Button	+ 6	+ 2	+ 8	
Radio AM/FM Stereophonic	+ 15	+ 3	+ 18	
Radio AM Push Button & Tape	+ 17	+ 5	+ 22	
Radio AM/FM P/B & Tape	+ 17	+ 5	+ 22	
Bumper Impact Strip, PVC				
Front & Rear (Includes				
V30 Bumper Guards)	+ 8	+ 17	+ 25	All exc. sta wgn.
	+ 10	+ 6	+ 16	Station Wagons
Roof Luggage Carrier	0	+ 21	+ 21	Station Wagons
Turbo Hydra-Matic Trans	+ 68	+ 22	+ 90	1BK69
350 Cu.In. L48	+106	+ 54	+160	1BK69
	+ 1	+ 41	+ 42	1BL39-47-57-69
400 Cu.In. LF6	+ 12	+ 2	+ 14	1BK35-45-1BL35-45-47
454 Cu.In. LS4	+262	+ 81	+343	1BK69
	+157	+ 58	+215	1BK35-45-1BL35-45
	+157	+ 68	+225	1BL39-47-57-69
	+145	+ 66	+211	1BN 00

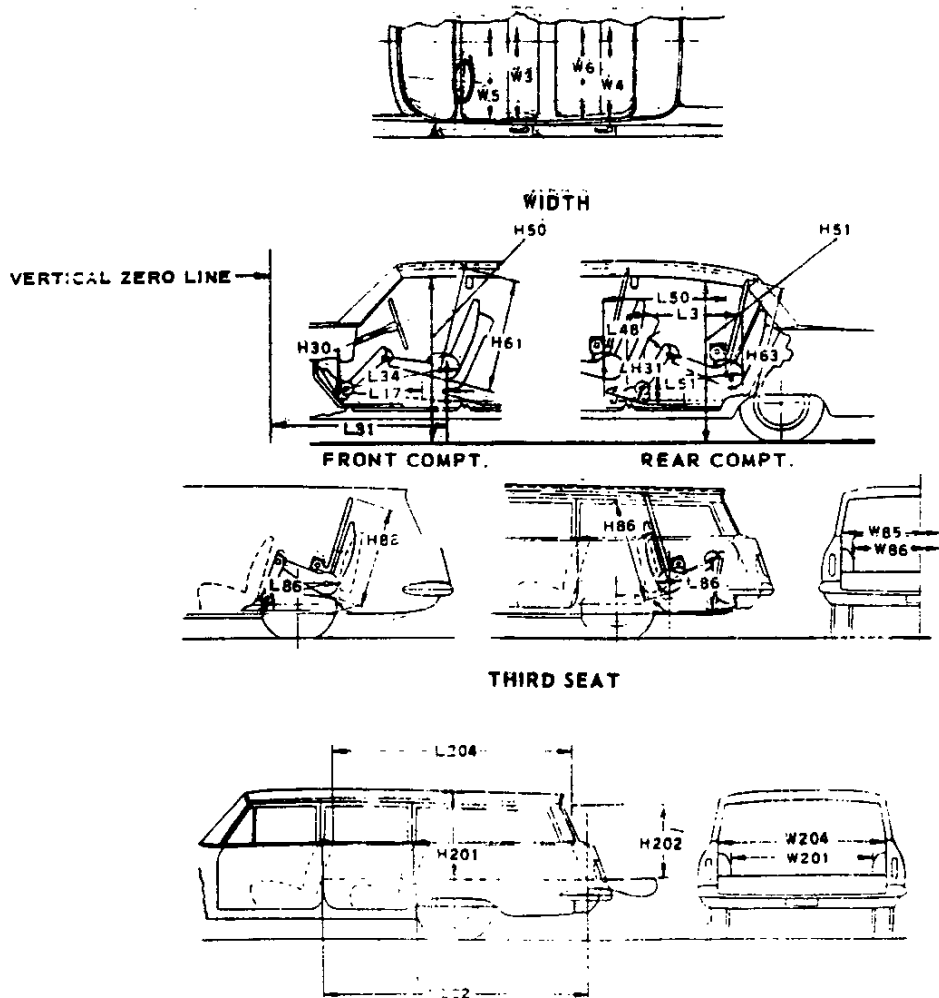
(a) L65 is base 350 V8 2 bbl carb

(b) L22 is base L-6

## CAR AND BODY DIMENSIONS KEY SHEET EXTERIOR CAR AND BODY DIMENSIONS



## INTERIOR CAR AND BODY DIMENSIONS



**EXTERIOR CAR AND BODY DIMENSIONS  
KEY SHEET  
DIMENSION DEFINITIONS**

**WIDTH DIMENSIONS.**

- W101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.
- W120 MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN is measured to outside of sheet metal with front doors in maximum hold-open position.
- W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN is measured in same manner as W120.

**LENGTH DIMENSIONS.**

- L30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

**HEIGHT DIMENSIONS**

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.

- H133 BOTTOM OF DOOR TO GROUND, CLOSED - FRONT is the same point on the door as H132 dimension, with door closed.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED - REAR is measured in same manner as H133.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.
- H125 HEADLAMP CENTERLINE TO GROUND is measured vertically to the center of the upper lamp.
- H126 TAILLAMP CENTERLINE is measured vertically from ground to the centerline of the upper bulb.

**GROUND CLEARANCE DIMENSIONS**

- H102 BUMPER TO GROUND - FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND - REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND is a minimum clearance.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

INTERIOR CAR AND BODY DIMENSIONS  
KEY SHEET  
DIMENSION DEFINITIONS

**FRONT COMPARTMENT DIMENSIONS**

- L31** H POINT TO VERTICAL ZERO LINE - FRONT is a horizontal dimension.
- H61** EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L34** MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 37° and the shoe touching the pedal.
- H30** H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17** H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3** SHOULDER ROOM - FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W5** HIP ROOM - FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H50** UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

**REAR COMPARTMENT DIMENSIONS**

- L50** H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H63** EFFECTIVE HEAD ROOM - REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L51** MINIMUM EFFECTIVE LEG ROOM - REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H31** H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L48** MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L3** REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W4** SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W6** HIP ROOM - REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H51** UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

**LUGGAGE COMPARTMENT DIMENSIONS**

- V1** LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195** LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.
- STATION WAGON - THIRD SEAT DIMENSIONS**
- W85** SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W86** HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L86** EFFECTIVE LEG ROOM - THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H86** EFFECTIVE HEAD ROOM - THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

**STATION WAGON - CARGO SPACE DIMENSIONS**

- L202** CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204** CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of tailgate, on the car centerline.
- W201** CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousetings at floor level.
- W204** OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201** MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.
- H202** REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and liftgates fully open.
- V2** CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

W4xL204xH201

1728

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