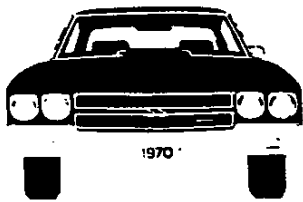
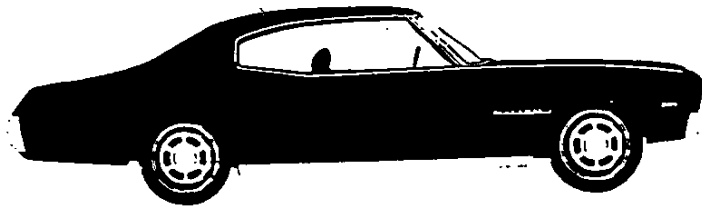




1970



CHEVROLET

CHEVELLE

GENERAL

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MODEL IDENTIFICATION

● STANDARD

MODEL 133-13469 4-DOOR SEDAN, 6-PASSENGER
MODEL 133-13437 2-DOOR SPORT COUPE, 5-PASSENGER

MALIBU

SERIES 135-13600

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

CHEVELLE STATION WAGONS

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

SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model	1970	Assembly Plant (Lakewood)	Unit Number (1st unit)
13369	0	A	100001

Thus: The 1st model built at Lakewood would be serial number 133690A100001

8-Cylinder Example:

Model	1970	Assembly Plant (Lakewood)	Unit Number (1st unit)
13469	0	A	100001

Thus: The 1st model built at Lakewood would be serial number 134690A100001

ASSEMBLY PLANTS

A - Lakewood-GMAD K - Leeds-GMAD
 B - Baltimore-GMAD L - Van Nuys-GMAD
 F - Flint

Canadian Plant
 No. "I" Oshawa

Starting unit number 100001 and up at each assembly plant regardless of series
 Location Stamped on plate attached to top left hand of instrument panel

TRANSMISSION IDENTIFICATION

Example: RRM0E01D

Type	Source	Model Year	Production ^o
Designation	Designation	1970	Month & Date
RR	M (Muncie)	0	E01D ^a

RR	3-Speed	L-6 & V-8 engines	M - Muncie
WC	4-Speed	V-8 engine	F - Muncie
UD	Powerglide	L-6 engine	C - Cleveland T - Toledo
VO	Powerglide	V-8 engine	C - Cleveland T - Toledo
GN	Turbo Hydra-Matic	L-6 engine	B - Cleveland Y - Toledo
GS	Turbo Hydra-Matic	V-8 engine	B - Cleveland Y - Toledo
CE	Turbo Hydra-Matic	V-8 engine	-- Ypsilanti

Location:
 3-Speed stamped on left side on base below side cover.
 4-Speed Stamped on the top right side of the case.

Powerglide & Turbo Hydra-Matic (Chevrolet) Stamped on right hand side of pan.
 Turbo Hydra-Matic Nameplate on right hand side of the case.

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

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

^a-The letter "D" or "N" following the date numeral indicates day or night shift.

ENGINE IDENTIFICATION

Example: F1210BE

Source	Production [*]	Type
Designation	Month & Date	Designation
F (Flint)	1210	CCG

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

CCG - Regular engine, 3-speed
 - Regular engine, Powerglide
 - Regular engine, Turbo Hydra-Matic (Chevrolet)

Turbo-Fire 307, 307 Cubic Inch V-8, Base Engine

CNC - Regular engine, 3-speed
 CND - Regular engine, 4-speed
 CNE - Regular engine, Powerglide
 CNF - Regular engine, Turbo Hydra-Matic (Chevrolet)

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

CNJ - Optional engine, 3-speed, 4-bbl. carb.
 CNK - Optional engine, Powerglide, 4-bbl. carb.
 CRE - Optional engine, Turbo Hydra-Matic (Chevrolet)

Turbo-Fire 350, 350 Cubic Inch V-8 (RPO-L65)

CNI - Optional engine, 3-speed, 2-bbl. carb.
 CNM - Optional engine, Powerglide, 2-bbl. carb.
 CNN - Optional engine, Turbo Hydra-Matic (Chevrolet)

Turbo-Jet 396, 402 Cubic Inch V-8 (RPO-L34)

CTX - Optional engine, 3-speed, 4 bbl. carb.
 CTW - Optional engine, Turbo Hydra-Matic, 4-bbl. carb.

Turbo-Jet 400, 402 Cubic Inch V-8 (RPO-LS3)

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

Turbo-Jet 454, 454 Cubic Inch V-8 (RPO-LS5)

CRN - Optional engine, 3-speed, 4-bbl. carb.
 CRQ - Optional engine, Turbo Hydra-Matic, 4-bbl. carb.

Location:

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

^{*}-Month: December, 12; 10th day of December 10.

REAR AXLE IDENTIFICATION

Location, Identification Number

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

See Power Train Section for additional information.

EXTERIOR EQUIPMENT

STANDARD AND OPTIONAL APPEARANCE EQUIPMENT EXTERIOR

FRONT	● STANDARD	MALIBU	SUPER SPORT OPTION
Radiator Grille "Chevelle" Nameplate--Block	X	X	X
Radiator Grille Bow Tie Emblem		X	
Bright Windshield Reveal Molding with Wide Lower Section		X	X
Bright Windshield Reveal Molding with Narrow Lower Section	X		
Bright Hood and Fender Rear Molding	X	X	X
Concealed Windshield Wipers with Articulated Left Blade		X	X
Bumper-Mounted Parking Lamps with Amber Lens	X	X	
Bright Radiator Grille Outline Moldings with Bright Bertical Center Bars		X	
Bright Radiator Grille Outline Moldings			X
Plastic Radiator Grille; Body Color Center Bar and Argent Grille Openings	X	X	
Dual Headlamps	X	X	X
Bright Headlamp Bezels	X	X	X
Body Color Bumper Filler Panel	X	X	X
Radiator Grille "SS" Emblem			X
Bumper-Mounted Parking Lamps with White Lens and Amber Bulb			X
Special Hood with Raised Center Area (Non-Functional)			X
Plastic Radiator Grille; Body Color Center Bar and Black Grille Openings			X
Bright Windshield Pillar Molding		67	67

SIDE

		"Malibu" (Block) Except 37-67	"SS 396" or "SS 454"
Front Fender Nameplate			
Bright Ventipane Frame	69		
Rectangular Outside LH Rear View Mirror	X	X	X
Bright Wide Rocker Molding		X	
Bright Drip Molding		Except 67	37
Bright Door and Quarter Belt Molding, and Fender Peak Molding		X	
Hub Caps	X	X	
Front Marker Lamp with Amber Lens	X	X	X
Rear Marker Lamp with Red Lens and Body Color Bezel	X	X	X
Front Fender V-8 Engine Displacement in Block Numerals (White Paint Filled)	X	X	
Bright Weather Strip Retainers	37	37-39	37
Bright Wheel Opening Moldings			X
14 x 7 Sport Wheel with Trim Ring			X
F7-14-4 Black wall Tires with Manufacturer's Name, Trademark and Size in White Letters			X

EXTERIOR EQUIPMENT

STANDARD AND OPTIONAL APPEARANCE EQUIPMENT EXTERIOR

REAR	● STANDARD	MALIBU	SUPER SPORT OPTION
Deck Lid Nameplate "Chevelle by Chevrolet" -- Script and Block	X	X	X
Bright Rear Window Reveal Molding	X	Except 67	37
Bumper-Mounted Tail Lamps with Decorative Lens Treatment and Argent Cuff		X	X
Bumper-Mounted Tail Lamps with Plain Lens	X		
Backup Lamp Integral with Tail Lamp	X	X	X
Bright Rear Belt Molding		67	67
Oval Tail Pipe Extensions			X
Black Polyvinyl Rear Bumper Applique with Bright Border and Embossed "SS"			X

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT STATION WAGONS

	NOMAD 13136 13236	GREENBRIER 13336 13436-46	CONCOURS 13536 13636-46	CONCOURS ESTATE 13836-46
FRONT				
Radiator Grille "Chevrolet" Nameplate	X	X	X	X
Radiator Grille Bow Tie Emblem	X	X	X	X
Bright Windshield Reveal Molding with Narrow Lower Section	X	X		
Bright Windshield Reveal Molding with Wide Lower Section			X	X
Concealed Windshield Wipers with Articulated Left Blade			X	X
Bright Hood and Fender Rear Molding	X	X	X	X
Bumper-Mounted Parking Lamps with Amber Lens	X	X	X	X
Bright Radiator Grille Outline Moldings	X	X		
Bright Radiator Grille Outline Moldings with Bright Vertical Center Bars			X	X
Plastic Radiator Grille with Body Color Center Bar and Argent Grille Openings	X	X	X	X
Dual Headlamps	X	X	X	X
Bright Headlamp Bezels	X	X	X	X
Bright Fender Extension Lower Molding			X	X
Body Color Bumper Filler Panel	X	X	X	X
SIDE				
Rear Quarter Nameplate (Script Except "Greenbrier" Which is Block)	"Nomad"	"Greenbrier"	"Concours"	"Concours Estate"
Bright Ventipane Frame	X	X	X	X
Rectangular Outside LH Rear View Mirror	X	X	X	X
Bright Thin Rocker Molding		X		
Bright Wide Rocker Molding			X	
Bright Drip Molding		X	X	X
Bright Rear Quarter Window Reveal Molding		X	X	X
Painted Rear Quarter Window Reveal Molding	X			
Body Side Upper Paint Stripe (Fender, Doors and Rear Quarter)			X	
Bright Body Side Upper and Lower Moldings with Lined Oak Covering (Fender, Doors and Rear Quarter)				X
Wood-Grain Treatment Between Body Side Upper and Lower Moldings				X
Brown-Painted Rear Quarter Bumper Depression Molding				X
Brown-Painted Front Fender Bumper Depression Molding				X
Bright Wheel Opening Moldings			X	X
Hub Caps	X	X	X	X
Front Marker Lamp with Amber Lens	X	X	X	X
Front Fender Engine Displacement in Block Numerals (White-Paint Filled)	X	X	X	X
Wood-Grain Rear Quarter Crease Molding				X

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT STATION WAGONS

	NOMAD 13136 13236	GREENBRIER 13336 13436-46	CONCOURS 13536 13636-46	CONCOURS ESTATE 13836-46
REAR				
Tailgate Nameplate "Chevrolet" - Script	X	X	X	X
Separate Tailgate-Mounted Backup Lamps	X	X	X	X
Bright Tailgate Window Reveal Molding	X	X	X	X
Bright Upper and Lower Tailgate Moldings with Lined Oak Covering				X
Wood-Grain Treatment Between Upper and Lower Tailgate Moldings				X
Bumper Step Well Rubber Mat	X	X	X	X
Body-To-Bumper Filler Panel with Rubber Mat		46	X	X
Body-To-Bumper Filler Panel with Black Paint	X	36		
Brown-Painted Molding Below Tail Lamp				X
Bright, Black Paint Filled Tailgate Moldings			X	

EXTERIOR EQUIPMENT

EXTERIOR EQUIPMENT EL CAMINO

	STANDARD EL CAMINO 13380-13480	CUSTOM EL CAMINO 13580-13680	SUPER SPORT OPTION
FRONT			
Grille Nameplate "Chevrolet" - Block	X	X	X
Radiator Grille "SS" Emblem			X
Bright Hood and Fender Rear Molding	X	X	X
Bright Windshield Reveal Molding with Narrow Lower Section	X		
Bright Windshield Reveal Molding with Wide Lower Section		X	X
Concealed Windshield Wipers with Articulated Left Blade		X	X
Bumper-Mounted Parking Lamp with Amber Lens	X	X	X
Radiator Grille Bow Tie Emblem	X	X	
Bright Radiator Grille Outline Moldings	X		X
Bright Radiator Grille Outline Moldings With Bright Vertical Center Bars		X	
Plastic Radiator Grille with Body-Color Center Bar and Argent Grille Openings	X	X	
Plastic Radiator Grille with Body-Color Center Bar and Black Grille Openings			X
Dual Headlamps	X	X	X
Bright Headlamp Bezels	X	X	X
Bright Fender Extension Lower Molding		X	X
Body Color Bumper Filler Panel	X	X	X
Special Hood with Raised Center Area			X
SIDE			
Front Fender Nameplate "El Camino" - Block	X	X	X
Front Fender Emblem "SS 396" or "SS 454"			X
Front Fender Engine Displacement in Block Numerals (White Paint Filled)	X	X	
Bright Ventipane Frame	X	X	X
Rectangular Outside LH Rear View Mirror	X	X	X
Bright Thin Rocker Molding	X		
Black Paint Filled, Bright Body Side Lower Molding with Silver Body Paint Below (Fender, Door and Rear Quarter)		X	
Bright Drip Molding		X	X
Bright Door Frame Scalp Molding		X	X
Bright Wheel Opening Moldings		X	X
Bright Load Compartment Belt Molding	X	X	X
Front Marker Lamp with Amber Lens	X	X	X
Hub Cap)	X	X	
14 X 7 Sport Wheel with Special Hub Cap and Trim Ring			X
White-Stripe Tires		X	
Bright Rear Quarter Peak Molding	X	X	X
REAR			
Tailgate Nameplate "Chevrolet" - Block	X	X	
Tailgate Emblem "SS 396" or "SS 454"			X
Separate Backup Lamps Mounted in Tailgate	X	X	X
Bright Rear Window Reveal Molding	X	X	X
Black Paint Filled, Bright Horizontal Tailgate Moldings with Wood-Grain Treatment Between		X	
Black Paint Filled, Bright Horizontal Tailgate Moldings with Black Paint Treatment Between			X
Bright Tailgate Belt Molding	X	X	X
Bumper-Mounted Red Reflectors	X	X	X

INTERIOR EQUIPMENT

STANDARD AND OPTIONAL APPEARANCE EQUIPMENT INTERIOR

ROOF AND PILLARS	● STANDARD	MALIBU	SUPER SPORT OPTION
Premier Vinyl Coated Headlining—Perforated	X	Except 67	37
Trim Color Windshield and Rear Window Garnish Moldings, and Roof Rail Molding (F)	X	Except 67	37
12-inch Prismatic Rear View Mirror with Gray Padded Edge	X	X	X
Hook-Type Rear View Mirror Support		X	X
Hookless-type Rear View Mirror Support	X		
Trim Color Plastic Rear View Mirror Support Cover	X	X	X
Padded Sunshades	X	X	X
Air Gap Windshield Pillar Garnish Moldings	X	Except 67	37
Padded Windshield Pillar Garnish Moldings		67	67
Trim Color Plastic Coat Hooks	X	Except 67	37
Bright Bezeled Center Dome Lamp	X	Except 67	37
Front Door Jamb Switches	X	X	X
Front Seat Shoulder Belt Anchor Cover (Same Color as Shoulder Belt)	X	Except 67	37
Bright Front Seat Shoulder Belt Clip Retainers	X	Except 67	37
Counterbalanced Folding Top		67	67

SEATS AND FLOOR COVERING

Front Seat Cushion with 2.00-inch Foam Pad	X	X	X
Rear Seat Cushion with 1-inch Foam Pad		X	X
Rear Seat Cushion with 6-oz. Cotton Pad	X		
Bright Front Seat Adjuster Handle	X	X	X
Bright Folding Front Seat Back Latch	37	37-67	X
Cloth and Vinyl Seat Cushion and Seat Back	X	Except 67	37
All-Vinyl Seat Cushion and Seat Back		67	67
Carpet Passenger Compartment Floor Covering		X	X
Rubber Mat Passenger Compartment Floor Covering	X		
Luggage Compartment Spatter Paint	X	X	X
Luggage Compartment Mat (Vinyl Coated Cotton on Latex Foam)		X	X
Front seat Head Restraints	X	X	X
Front and Rear Seat Belts	X	X	X
Front Seat Shoulder Belts	X	Except 67	37
Bench Seats	X	X	X
Trim Color Front Seat Belt Anchor Covers	X	X	X

INTERIOR EQUIPMENT

STANDARD AND OPTIONAL APPEARANCE EQUIPMENT INTERIOR

DOOR AND QUARTER PANEL	● STANDARD	MALIBU	SUPER SPORT OPTION
Front Door Padded Armrest	X	X	X
Rear Door or Quarter Panel Padded Armrest with Ash Tray	X	Except 67	37
Built-In Rear Quarter Panel Armrest and Ash Tray		67	67
Clear Plastic Window Control Handle Knobs	X	X	X
Bright Door Lock Buttons	X	X	X
All-Vinyl Door and Quarter Panel Trim	X	X	X
Series Nameplate on Door		"Malibu", 37-67 Only	"SS"

INSTRUMENT PANEL AND STEERING WHEEL

Glove Compartment Light		X	X
Heater Control Light	X	X	X
Instrument Panel Courtesy Lights	X	67	67
Temperature, Generator, Oil Pressure and Brake Warning Lights	X	X	X
Hi-Beam and Turn Signal Indicators	X	X	X
Bright Cowl Ventilation Control Knob	X	X	X
Bright Astro-Ventilation Control Knob	37	37-67	X
Windshield Wiper and Washer Switch (Slide-Type, Depress to Wash)	X	X	X
Bright Light Switch Knob with Black Accent	X	X	X
Bright Hazard Flasher Knob	X	X	X
Trim Color Turn Signal and Transmission Shift Lever Knobs	X	X	X
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock	X	X	X
T-Handle Parking Brake Release	X	X	X
Blended Air Heater	X	X	X
Two-Speed Windshield Wiper and Washer	X	X	X
Ash Tray	X	X	X
Cigarette Lighter	X	X	X
Speedometer, Odometer and Fuel Gage	X	X	X
Instrument Panel Pad	X	X	X
Instrument Panel Astro-Ventilation Outlets (R and L)	37	37-67	X
Clock Hole Cover Plate	X	X	X
● "Molded-In" Air Conditioning Center Outlet Cover	X	X	X
Glove Compartment Door Lock	X	X	X
Steering Wheel with Shroud and Horn Buttons	X	X	X
Steering Wheel Center Emblem	"Bow Tie"	"Malibu"	"SS"
Black Steering Wheel and Column			X
Trim Color Steering Wheel and Column	X	X	
Monte Carlo Instrument Panel and Cluster (Black Millgrain Surface on Cluster)			X

GLASS

Laminated Safety-Plate Glass Windshield	X	X	X
Solid Safety Plate Glass Ventrpanes	69	39-69	
Solid Safety Plate Glass Backlight	X	Except 67	37
Solid Safety Plate Glass Door Windows	X	X	X
Solid Safety Plate Glass Rear Quarter Windows	37	37-67	X
Tempered Glass Rear Window		67	67

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT STATION WAGONS

	NOMAD 13136 13236	GREENBRIER 13336 13436-46	CONCOURS 13536 13636-46	CONCOURS ESTATE 13836-46
ROOF AND PILLARS				
Premier Vinyl Coated Headlining—Plain	X	X	X	X
Trim Color Windshield, Roof Rail and Rear Window Trim Lace	X	X	X	X
12-Inch Prismatic Rear View Mirror with Gray Padded Edge	X	X	X	X
Silver Painted Rear View Mirror Support	X	X		
Hook-Type Rear View Mirror Support			X	X
Trim Color Plastic Rear View Mirror Support Cover	X	X	X	X
Padded Sunshades	X	X	X	X
Air Gap Windshield Pillars	X	X	X	X
Trim Color Plastic Coat Hooks	X	X	X	X
Bright Bezeled Center Dome Lamp	X	X	X	X
Front Door Jamb Switches	X (a)	X	X	X
Trim Color Front Seat Shoulder Belt Anchor Cover	X	X	X	X
Bright Front Seat Shoulder Belt Clip Retainers	X	X	X	X
Additional Roof Insulation			X	X

(a) Left Door Only

SEATS AND FLOOR COVERING

Front Seat Cushion with 2.00-Inch Foam Pad	X	X	X	X
Second Seat Cushion with 6-oz. Cotton Pad	X	X		
Second Seat Cushion with 1-Inch Foam Pad			X	X
Third Seat Cushion with .75-Inch Foam Pad		46	46	46
Bright Front Seat Adjuster Handle	X	X	X	X
Bright Folding Second Seat Back Latches	X	X	X	X
Bright Folding Third Seat Back Latches		46	46	46
All-Vinyl Seat Cushion and Seat Back	X	X	X	X
Vinyl Coated Rubber Passenger Compartment Floor Covering	X	X		
Carpet Passenger Compartment Floor Covering			X	X
Front Seat Head Restraints	X	X	X	X
Front and Second Seat Seat Belts	X	X	X	X
Third Seat Seat Belts		46	46	46
Front Seat Shoulder Belts	X	X	X	X
Bench Seats (Folding Second and Third)	X	X	X	X
Trim Color Front Seat Belt Anchor Covers	X	X	X	X
Vinyl Coated Rubber Flat Load Floor Mat	X			
Textured Metal (Vinyl Painted) Load Floor	X	X	X	X
Textured Steel (Vinyl Painted) Inner Quarter Panel and Wheelhouse	X	X		
Vinyl Trim Inner Quarter Panel and Wheelhouse			X	X
Painted Load Floor Well		X	X	X
Load Floor Well Mat of Black Rubber		36	36	36
Load Floor Well Mat of Colored Vinyl Coated Rubber		46	46	46
Additional Insulation Under Load Floor and in Storage Well				X

INTERIOR EQUIPMENT

STANDARD INTERIOR EQUIPMENT STATION WAGONS

	NOMAD 13136 13236	GREENBRIER 13336 13436-46	CONCOURS 13536 13636-46	CONCOURS ESTATE 13836-46
DOOR, QUARTER PANEL AND TAILGATE				
Front Door Padded Armrest	X	X	X	X
Rear Door Padded Armrest with Ash Tray		X	X	X
Blue-Tinted, Clear Plastic Window Control Handle Knobs	X	X	X	X
Bright Door Lock Buttons	X	X	X	X
All-Vinyl Door and Quarter Panel Trim	X	X	X	X
Manual Tailgate Window Control	36	36	36	36
Electric Tailgate Window Control		46	46	46
Third Seat Courtesy Light			46	46

INSTRUMENT PANEL AND STEERING WHEEL

Glove Compartment Light			X	X
Heater Control Light	X	X	X	X
Temperature, Generator, Oil Pressure and Brake Warning Lights	X	X	X	X
Hi-Beam and Turn Signal Indicators	X	X	X	X
Bright Cowl Ventilation Control Knob	X	X	X	X
Windshield Wiper and Washer Switch (Slide-Type, Depress to Wash)	X	X	X	X
Bright, Black Accented Instrument Panel Lighting Control Knob	X	X	X	X
Bright Hazard Flasher Knob	X	X	X	X
Trim Color Turn Signal and Transmission Shift Lever Knobs	X	X	X	X
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock	X	X	X	X
T-Handle Parking Brake Release	X	X	X	X
Blended Air Heater	X	X	X	X
Two-Speed Windshield Wiper and Washer	X	X	X	X
Ash Tray	X	X	X	X
Cigarette Lighter	X	X	X	X
Clock Hole Cover Plate	X	X	X	X
Glove Compartment Door Lock	X	X	X	X
Trim Color Steering Wheel, with Shroud and Horn Buttons	X	X	X	X
Bow Tie Steering Wheel Center Emblem	X	X	X	X
Wood-Grain Insert in Steering Wheel Shroud				X

GLASS

Laminated Safety Plate Glass Windshield	X	X	X	X
Solid Safety Plate Glass Ventpanes	X	X	X	X
Solid Safety Plate Glass Door Windows	X	X	X	X
Solid Safety Plate Glass Rear Quarter Windows	X	X	X	X
Solid Safety Plate Glass Tailgate Window	X	X	X	X

INTERIOR EQUIPMENT

INTERIOR EQUIPMENT EL CAMINO

	STANDARD EL CAMINO 13380-13480	CUSTOM EL CAMINO 13580-13680	SUPER SPORT OPTION
ROOF AND PILLARS			
Premier Vinyl Coated Headlining-Perforated	X	X	X
Trim Color Windshield and Rear Window Garnish Molding and Roof Rail Molding	X	X	X
12-Inch Prismatic Rear View Mirror with Gray Padded Edge	X	X	X
Silver Painted Rear View Mirror Support	X		
Hook-Type Rear View Mirror Support		X	X
Trim Color Plastic Rear View Mirror Support Cover	X	X	X
Padded Sunshades	X	X	X
Air Gap Windshield Pillars	X	X	X
Bright Bezeled Backlight Header Dome Lamp	X	X	X
Door Jamb Switch	X	X	X

SEATS AND FLOOR COVERING			
Front Seat Cushion with 2.00-Inch Foam Pad	X	X	X
Bright Folding Seat Back Latches	X	X	X
Bright Seat Adjuster Handle	X	X	X
All-Vinyl Seat Cushion and Seat Back	X	X	X
Vinyl Coated Rubber Passenger Compartment Floor Covering	X		
Carpet Passenger Compartment Floor Covering		X	X
Head Restraints	X	X	X
Seat Belts	X	X	X
Shoulder Belts	X	X	X
Bench Seats	X	X	X
Front Seat Belt Anchor Covers (Belt Color)	X	X	X

DOOR AND QUARTER PANEL			
Door Padded Armrest	X	X	X
Plastic Window Control Handle Knobs	X	X	X
Bright Door Lock Buttons	X	X	X
All-Vinyl Door and Quarter Panel Trim	X	X	X
Trim Color Shoulder Belt Buckle Retainers	X	X	X
Bright Shoulder Belt Retaining Clip	X	X	X
Shoulder Belt Anchor Cover (Belt Color)	X	X	X

INTERIOR EQUIPMENT

INTERIOR EQUIPMENT EL CAMINO

	STANDARD EL CAMINO 13380-13480	CUSTOM EL CAMINO 13580-13680	SUPER SPORT OPTION
INSTRUMENT PANEL AND STEERING WHEEL			
Glove Compartment Light		X	X
Heater Control Light	X	X	X
Temperature, Generator, Oil Pressure and Brake Warning Lights	X	X	X
Hi-Beam and Turn Signal Indicators	X	X	X
Bright Cowl Ventilation and Astro-Ventilation Control Knobs	X	X	X
Windshield Wiper and Washer Switch (Slide-Type, Depress to Wash)	X	X	X
Bright, Black-Accented Instrument Panel Lighting Control Knob	X	X	X
Bright Hazard Flasher Knob	X	X	X
Trim Color Turn Signal and Transmission Shift Lever Knobs	X	X	X
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock	X	X	X
T-Handle Parking Brake Release	X	X	X
Blended Air Heater	X	X	X
Two-Speed Windshield Wiper and Washer	X	X	X
Ash Tray	X	X	X
Cigarette Lighter	X	X	X
Speedometer, Odometer and Fuel Gage	X	X	X
Trim Color Instrument Panel Pad	X	X	X
Clock Hole Cover Plate	X	X	X
Glove Compartment Door Lock	X	X	X
Steering Wheel with Shroud and Horn Buttons	X	X	X
Bow Tie Steering Wheel Center Emblem	X	X	
Black Steering Wheel and Column			X
"SS" Steering Wheel Center Emblem			X
Monte Carlo Instrument Panel and Cluster (Black Millgrain Surface on Cluster)			X
Air Conditioning Center Outlet Cover Plate with Bright "Chevrolet"			X
GLASS			
Laminated Safety Plate Glass Windshield	X	X	X
Solid Safety Plate Glass Ventipanes	X	X	X
Solid Safety Plate Glass Backlight	X	X	X
Solid Safety Plate Glass Door Windows	X	X	X

EXTRA COST EQUIPMENT

EQUIPMENT	RPO/ACC	MODELS
Air Conditioning		
Four-Season	C60	132-134-13600, 13836-46
GM-Chevrolet	ACC	13000
Appearance Guard Group (2)		
Door Edge Guards	B93 ACC	13000 exc. 13836-46
Twin Front and Rear Floor Mats	B37 ACC	13000
Front Bumper Guards	V31 ACC	13000
Rear Bumper Guards	V32 ACC	13000 exc. Wgn. & El Camino
Visor Vanity Mirror	D34 ACC	13000
Axles		
Positraction	G80	13000
Ratios (See Power Train Sections)		
Battery, Heavy Duty	T60	13000
Belts, Seat and Shoulder		
Deluxe Seat Belts and Front Shoulder Belts (3)	AK1	13000 exc. Conv.
Deluxe Seat Belts, Front and Rear (3)	A39	135-13667
Deluxe Shoulder Belts, Front	A85	135-13667
Deluxe Shoulder Belts, Rear	AS4	13000 exc. El Camino
Seat Belt Retractors, Front	ACC	13000
Child Safety Seat	ACC	13000
Clock, Electric (5)	U35 ACC	13000
Compass, Auto	ACC	13000
Console		
Front Compartment Floor Console	D55	135-13637-67-80
Cowl Induction Hood (6)	ZL2	13637-67-80
Cruise Control	K30 ACC	132-134-13600, 13836-46
Cylinder Heads, Aluminum	L89	13637-67-80
Deflectors		
Rain Deflectors	ACC	13000 exc. 2-Door
Tailgate Window Air Deflector	CS1 ACC	13000 Wgn.
Defoggers		
Forced Air Rear Window Defogger (7)	CS0 ACC	13000 exc. El Caminr
Engines (See Power Train Sections)		
Exhaust Systems		
Dual Exhaust	N10	132-134-13600, 13836-46
Evaporative Emission Control (8)	NA9	13000
Fan Drive	ACC	134-13600
Fire Extinguisher		
Dry Chemical Extinguisher	ACC	13000
Recharge Kit	ACC	13000
Generator, 63-Ampere	K85	13000
Glass, Tinted		
All Windows	A01	13000
Windshield (Fleet Sales)	A02	13000
Guards		
Door Edge Guards (9)	B93 ACC	13000 exc. 13836-46
Front Bumper Guards (9)	V31 ACC	13000
Rear Bumper Guards (9)	V32 ACC	13000 exc. Wgn & El Camino

- (1) Includes 116" wheelbase Station Wagons.
- (2) Items also available as independent options.
- (3) Merchandised as YAI.
- (4) Includes rear bumper guards.
- (5) Merchandised as independent option or through ZQ2 group.
- (6) Used only with Z25 SS equipment. Includes D68 Sport Stripes.
- (7) Not available as accessory for Station Wagons, Convertible, El Camino.
- (8) California requirement.
- (9) Merchandised as independent option or through ZP5 group.

EXTRA COST EQUIPMENT

EQUIPMENT	RPO/ACC	MODELS
Heater, Engine Block	K05 ACC	13000
Highway Emergency Kit	ACC	13000
Infant Safety Carrier	ACC	13000
Instrumentation		
Instrument Panel Gauges	U14	13637-67-80
Lighting, Auxiliary (1)		
Ash Tray Light		13000
Courtesy Lights (2)		13000 exc. Conv.
Glove Compartment Light (2)		131-132-133-13400
Luggage Compartment Light (2)		13000 exc. Wgn. & El Camino
Mirror Map Light		13000
Underhood Light (2)		13000
Windshield Washer Fluid Monitor Light (2)		13000
Light Monitor System, Front and Rear	U46	13000 exc. El Camino
Liquid Tire Chain	ACC	13000 exc. Wgn. & El Camino
Locks		
Gas Cap Lock	ACC	13000
Rear Door Lock Guard	ACC	13000
Spare Wheel Lock	ACC	13000
Luggage Carriers		
Deck Lid Luggage Carrier	ACC	13000 exc. Wgn. & El Camino
Roof Luggage Carrier	V55 ACC	13000 Wgn.
Roof Luggage Carrier Cover	ACC	13000 Wgn.
Mats, Floor		
Clear Vinyl Twin Front and Rear Mats	ACC	13000
Twin Front and Rear Mats (3)	B37 ACC	13000
Mirrors		
Remote Control Outside Mirror (4)	D33	13000
Right Hand Outside Mirror	ACC	13000 exc. Wgn. & El Camino
Visor Vanity Mirror (3)	D34 ACC	13000
Model Options		
Super Sport 396	Z25	13637-67-80
Super Sport 454	Z15	13637-67-80
Molding		
Door and Window Frame Molding	B90	13000 exc. Conv., Sp. Cpe., Spt. Sed. & 135-13680
Operating Convenience Group (5)		
Electric Clock	U35 ACC	13000
Remote Control Outside Mirror	D33	13000
Forced Air Rear Window Defogger	C50 ACC	13000 exc. El Camino
Power Assists		
Automatic Seat Back Latch (6)	AQ2	13000 2-Door
Electric Door Locks	AU3	13000
Power Brakes	150 ACC	13000
Power Front Disc Brakes	JL2	13000
Power Steering	N40	13000
Power Tailgate Window	A33	13000 2-Seat Wgn.
Power Top	CO6	135-13667
Power Windows	A31	135-13600, 13836-46

- (1) Available from factory as option only.
- (2) Available as separate dealer installation.
- (3) Merchandised as independent option or through ZP5 group.
- (4) Merchandised as independent option or through ZQ2 group.
- (5) Items also available as independent options.
- (6) Used only with RPO AU3.

EXTRA COST EQUIPMENT

EQUIPMENT	RPO/ACC	MODELS
Radiator, Heavy Duty	V01	13000
Radio Equipment		
AM Radio (1)	U63 ACC	13000
AM/FM Radio (1)	U69 ACC	13000
AM/FM Stereo Radio (2)	U79	13000 exc. El Camino
Stereo Tape System with AM Radio (2)	UM1	13000 exc. El Camino
Stereo Tape Sys. with AM/FM Stereo Radio (2)	UM2	13000 exc. El Camino
Stereo Tape Player (3)	ACC	13000 exc. El Camino
Rear Speaker	U80 ACC	13000 exc. El Camino
Stereo Tape Cartridge Holder	ACC	13000 exc. El Camino
Roof Cover, Vinyl (1)	C08	13000 exc. Conv. & Wgn.
Seats		
Strato-Bucket Seat	A51	135-13637-67-80
Ski Racks		
Demountable Ski Rack*	ACC	13000
Roof Luggage Ski Rack	ACC	13000 Wgn.
Spotlight, Portable	ACC	13000
Steering Wheels		
Comfortilt	N33	13000
Cushioned Rim Steering Wheel	NK1	13000
Stripes, Sport (4)	D88	13637-67-80
Suspension		
Heavy Duty Front and Rear	F40	13000 exc. Wgn.
Special Performance Front and Rear	F41	13637-67
Tires (See Chassis Sections)		
Tissue Dispenser and Litter Container	ACC	13000
Tops		
Folding Top Colors	C05	135-13667
Trailer Equipment		
Equalizing Trailer Hitch	ACC	13000
Trailer Hitch	ACC	13000
Trailer Wiring Harness	ACC	13000
Transmissions (See Power Train Sections)		
Trim, Interior (See Interior-Exterior Color Combination Sections)		
Two-Tone Finish (See Interior-Exterior Color Combinations Sections)		
Wheel Covers		
Deluxe Wheel Covers	P02 ACC	13000
Full Wheel Covers	P01 ACC	13000
Mag-Style Wheel Covers	ACC	13000
Simulated Wire Wheel Covers	ACC	13000
Wheel Trim Ring	P06	13000
Wheels		
Rally Wheel	ZJ7	13000
Windshield Wiper Control, Finger Tip	CD3	135-13600, 13836-46

- (1) Concealed antenna for option; front mast for accessory.
Single front speaker for B, X; A and G without A/C.
Dual front speakers on top of instrument panel for A and G with A/C.
- (2) Dual front speakers on top of instrument panel for B, A, G.
Dual front speakers on kick panel for X.
Dual rear speakers for B, A, G, X.
- (3) With or without radio (AM or AM/FM). Two front, two rear speakers.
- (4) Used only with Z25 SS equipment.

AIR CONDITIONING

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. Five air outlets: 1 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.

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

CHASSIS

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

POWER TRAINS

Fan Blade 7 blade
Fan Clutch Thermomodulated fluid coupling
Crankshaft Pulley Dual
Water Pump & Fan Pulley Single
Compressor & Crankshaft Belt One*
Generator 63 Ampere
Radiator Heavy duty

CUSTOM AIR CONDITIONING (ACCESSORY)

Air cooling unit dealer-installed beneath instrument panel. Manually controlled by two knobs: Upper knob for cool air volume, with 3-speed twin centrifugal blower; lower knob for cool/warm temperature control. Two front grille lower outlets, two round side outlets.

BASIC COMPONENTS

Evaporator and blower, compressor, condenser, receiver-dehydrator.

EQUIPMENT

It is recommended that heavy duty cooling equipment be used on all vehicles for securing maximum air conditioning performance.

CHASSIS

FRAME AND FRONT SUSPENSION	2-3
STEERING, DRIVELINE, WHEELS AND TIRES	4
REAR AXLE AND SUSPENSION	5-6
BRAKES	7
BULBS AND LAMPS	8
FUSES AND CIRCUIT BREAKERS	9

FRAME AND FRONT SUSPENSION

FRAME

Description All welded perimeter frame with front crossmember, rear axle upper control arm crossmember, and rear crossmember. Center sections except convertible and sedan pickup are "C" shaped; convertible and sedan pickup have welded box construction members. Rear axle kick-up box welded construction. Rear of kickup "C" shaped. Body Mounting: Convertible - 12 biscuits; station wagon, sedan pickup-8 biscuits +4 cushions; balance - 8 biscuits +2 cushions

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

FRONT SUSPENSION

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

CONTROL ARMS

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

STEERING KNUCKLES

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

Spindle diameters	
Inner bearing	1.2493-1.2498
Outer bearing	.7493-.7498
Spindle thread size	3/4-20 NEF-3 (modified)
Wheel bearing	
Type	Taper roller
Number	Two per spindle

SPHERICAL JOINTS

Type	Ball studs, upper self-adjusting for wear
Bearing surfaces	
Upper	To be provided
Lower	One bearing; steel

SHOCK ABSORBERS

Type	Direct, double-acting, hydraulic
Piston diameter	1.00

STABILIZER BAR

Type	Link
Material	HR steel
Diameter	0.937

FRONT WHEEL ALIGNMENT (Curb)

Camber	0° to P1°
Caster	
All SS 396 and other sedan pickup models	N1° to 0°
Balance of models	N1-1/2° to N1/2°
Toe (Total)	1/8 in. to 1/4 in., toe-in
Steering axis inclination	7-3/4° to 8-3/4°

GENERAL SUSPENSION PROVISIONS

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

FRAME AND FRONT SUSPENSION

FRONT SPRINGS

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

FRONT SPRING SPECIFICATIONS

Part Number	Assembly Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs per inch)	HEIGHTS	
						Free	Working (In. @ lbs.)
3952802	AF	133.95	.583	10.12	250	17.17	11.7 @ 1360
3952803	AH	134.05	.583	10.12	250	17.45	11.7 @ 1430
3952804	AI	143.75	.597	10.82	250	17.73	11.7 @ 1500
3952805	AJ	143.75	.597	10.82	250	18.01	11.7 @ 1570
3952806	AO	153.45	.610	11.52	250	18.29	11.7 @ 1640
3952807	AQ	153.45	.610	11.52	250	18.57	11.7 @ 1710
3952808	AR	131.65	.595	9.92	275	16.86	11.7 @ 1410
3952809	AW	131.75	.595	9.92	275	17.11	11.7 @ 1480
3952810	AZ	140.05	.607	10.52	275	17.37	11.7 @ 1550
3952811	GI	140.05	.607	10.52	275	17.62	11.7 @ 1620
3952812	GO	149.85	.621	11.22	275	17.87	11.7 @ 1690
3952813	GQ	149.85	.621	11.22	275	18.13	11.7 @ 1760
3952814	GS	130.99	.618	9.82	320	16.10	11.7 @ 1400
3952815	GT	131.05	.618	9.82	320	16.32	11.7 @ 1470
3952816	GU	131.05	.618	9.82	320	16.54	11.7 @ 1540
3952817	GV	131.05	.618	9.82	320	16.76	11.7 @ 1610
3952818	GW	138.05	.629	10.32	320	16.98	11.7 @ 1680
3952819	GX	138.05	.629	10.32	320	17.17	11.7 @ 1740
3952820	GY	149.29	.646	11.12	320	17.35	11.7 @ 1800
3952821	GZ	149.35	.646	11.12	320	17.54	11.7 @ 1860
3952822	AA	149.35	.646	11.12	320	17.73	11.7 @ 1920
3952823	AB	132.05	.654	9.82	390	16.14	11.7 @ 1720
3952824	AC	132.15	.654	9.82	390	16.42	11.7 @ 1830
3952825	AD	137.75	.663	10.22	390	16.70	11.7 @ 1940
3960655	GA	125.85	.659	9.22	435	15.20	11.7 @ 1510
3960665	GB	125.89	.659	9.22	435	15.52	11.7 @ 1650
3960686	GC	125.94	.659	9.22	435	15.32	11.7 @ 1780
3974684	GD	160.82	.617	11.92	250	18.85	11.7 @ 1780
3974686	GE	133.40	.595	9.92	275	16.60	11.7 @ 1340
3974688	GF	133.78	.654	9.82	390	15.86	11.7 @ 1610
3983298	-	175.89	.635	13.02	250	19.13	11.7 @ 1850
3983299	-	175.92	.635	13.02	250	19.41	11.7 @ 1920
3983300	AK	170.88	.645	12.62	275	18.38	11.7 @ 1830
3983301	AL	170.91	.645	12.62	275	18.64	11.7 @ 1900
3983302	-	173.75	.649	12.82	275	18.89	11.7 @ 1970
3983303	AN	163.78	.663	12.02	320	18.10	11.7 @ 2040
3983304	AP	163.47	.663	12.02	320	17.92	11.7 @ 1980
3983337	AM	171.22	.645	12.62	275	18.82	11.7 @ 1950

STEERING, DRIVELINE, WHEELS AND TIRES

MANUAL STEERING (Standard)

Description	Semi-reversible, recirculating ball nut gear, and a energy absorbing steering column for safety. Tilt steering wheel optional.
Ratios	Gear, 24:1; overall, 27.9:1
Turning diameters (ft)	
Outside front, wall to wall	45.5
Outside front, curb to curb	42.0
Number of wheel turns, lock to lock	5.2
Outside wheel angle with inside wheel @ 20°	18.6°
Linkage	Parallelogram, front of wheels, 2 tie rods
Steering wheel	
Type	oval
Diameter	15.5 x 16.25

POWER STEERING, RPO N40

(Same as standard Manual Steering except as shown)

Type	Integral gear, with vane-type pump driven by crankshaft pulley providing hydraulic pressure. Variable ratio power steering gear for all except wagons and El Camino.
Ratios	
Wagons and El Camino	Gear, 17.5:1; overall, 20.3:1
All except wagons and El Camino	Gear: 16.1 on center to 12.4:1. Overall: 18.7:1 to 12.4:1.
Number of wheel turns, lock to lock	2.9

DRIVELINE

Type	Straight tube
Number used	One
Diameter (O.D.)	3.25
Length (C/L of U-Joints) for manual transmissions	
112 in. wheelbase	56.34
116 in. wheelbase	60.14
Wall thickness	.065
Universal joints	
Type	Cross
Number used	Two
Bearings	Prepack, anti-friction
Drive and torque	Through rear suspension control arms

WHEELS, REGULAR PRODUCTION

Type	Short spoke spider
Attachment to hub	5 Hex nuts, 7/16-20 UNF 2-B, on a 4.75 diameter bolt circle
Size	
Except Wagons, El Camino and SS	14 x 5
Wagons and El Camino	14 x 6
SS	14 x 7
Offset	
14 x 5	.60
14 x 6	.88
14 x 7	.34

WHEELS, RALLY-TYPE, RPO Z17

(Same as regular production except as follows)

Type	large ventilation slots
Size	14 x 6
Offset	.88

TIRES, REGULAR PRODUCTION

Construction	Fiberglass bias belted
Load range	B
Sizes	
E78 x 14 (6-cyl. except wagons, El Camino)	
Static loaded radius	12.2
Loaded Rev/mi @ 45 mph	800
Capacity @ 24 psi	NA
F78 x 14 (V-8's except SS and El Camino except SS)	
Static loaded radius	12.4
Loaded Rev/mi @ 45 mph	785
Capacity @ 24 psi	NA
F70 x 14 (SS except El Camino)	
Static loaded radius	12.1
Loaded Rev/mi @ 45 mph	783
Capacity @ 24 psi	NA
G70 x 14 (El Camino SS)	
Static loaded radius	12.4
Loaded Rev/mi @ 45 mph	780
Capacity @ 24 psi	NA
G78 x 14 or G78 x 14D (Station Wagons)	
Static loaded radius	B-12.6
Loaded Rev/mi @ 45 mph	D-12.6
Capacity @ 24 psi	B-778
Capacity @ 24 psi	D-773
Capacity @ 24 psi	B-NA
Capacity @ 24 psi	D-NA

REAR AXLE AND SUSPENSION

REAR AXLE

Description	Semi-floating housing consists of two welded tubes pressed into crossbore of cast iron carrier. Carrier contains an overhung pinion and hypoid gear supported by two taper roller bearings.
Pinion offset	(Start) 1.50
Hypoid gear PD	
2.56, 2.73, 3.08, 3.36	8.125
2.73, 3.31	8.875
Pinion bearing adjustment	.5mm
Lubricant	
Type	Military Spec. MIL-L-2105-B
Viscosity	SAE 80
Capacity (pts)—8.125 hypoid gear	3.75
—8.875 hypoid gear	4.25

AXLE SHAFT

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

REAR END PINION GEAR TOOTH COMBINATIONS

8.125 Ring Gear	
2.56 ratio	41.16
2.73:1	41.15
3.08	37.12
3.36	37.11
8.875 Ring Gear	
2.73	41.15
3.31	43.13

RESTRACTION DIFFERENTIAL (See Power Trains)

Type Cone clutches or dual disc clutches

REAR SUSPENSION

Description	Link type; 2 upper and 2 lower control arms supporting rear axle. Drive and torque taken through control arms.
Wheel travel (design)	
Total—Except wagon and pickup	8.80
Wagon and pickup	8.23
Rebound—Except wagon and pickup	3.59
Wagon and pickup	2.91
Rebound	5.21
Wheel to spring, travel ratio	1.06

SHOCK ABSORBERS

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

REAR AXLE AND SUSPENSION

REAR SPRINGS

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

Part Number	Assembly Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs per inch)	HEIGHTS	
						Free	Working (In. @ lbs.)
3693389	BU	103.8	.522	6.25	100	14.70	9.00 @ 570
3893385	BE	103.8	.522	6.25	100	15.00	9.00 @ 600
3893386	BF	105.9	.525	6.35	100	15.31	9.00 @ 630
3952826	BI	103.9	.522	6.25	100	15.6	9.00 @ 660
3893390	BW	105.9	.525	6.35	100	16.01	9.00 @ 700
3952827	BL	92.6	.539	5.65	130	12.77	9.00 @ 490
3952828	BM	92.6	.539	5.65	130	13.08	9.00 @ 530
3952829	BP	92.7	.539	5.65	130	13.40	9.00 @ 580
3952830	BQ	98.5	.550	5.95	130	13.85	9.00 @ 630
3952831	BR	98.0	.550	5.95	130	14.23	9.00 @ 680
3952832	BS	102.6	.557	6.15	130	14.85	9.00 @ 760
3952833	BT	91.1	.566	5.55	160	12.63	9.00 @ 580
3952834	BX	91.2	.566	5.55	160	13.41	9.00 @ 705
3952835	BY	105.1	.592	6.25	160	14.63	9.00 @ 900
3952837	BA	117.0	.613	6.85	160	15.06	9.00 @ 970
3949015	BB	117.1	.613	6.85	160	15.53	9.00 @ 1045
3949002	BC	109.7	.637	6.45	200	13.80	9.00 @ 960
3949004	BD	109.7	.637	6.45	200	14.00	9.00 @ 1000
3949006	BG	109.7	.637	6.45	200	14.30	9.00 @ 1060
3960651	OO	85.2	.553	5.25	160	11.94	9.00 @ 470
3960652	OQ	85.2	.553	5.25	160	12.19	9.00 @ 510
3974697	OI	105.9	.525	6.35	100	15.90	9.00 @ 690
3974698	OX	103.7	.522	6.25	100	14.40	9.00 @ 540
3974701	OZ	105.0	.592	6.25	100	13.63	9.00 @ 740
3974700	OY	111.8	.640	6.55	200	14.60	9.00 @ 1120
3980776	OB	94.7	.558	5.75	144	12.40	9.00 @ 490
3980777	OC	94.7	.558	5.75	144	12.61	9.00 @ 520
3980778	OD	94.8	.558	5.75	144	12.82	9.00 @ 550

SERVICE BRAKES, REGULAR PRODUCTION

Type	Duo-servo 4-wheel hydraulic; dual circuit hydraulic system with warning lamp, and reverse self adjusting feature.
Line pressure at 100 lb pedal load	805
Braking ratios	
Pedal	6.32
Hydraulic	4.29
Overall	27.11
Wheel cylinder area distribution (percent)	58.5 F; 41.5 R
Brake drum	
Diameter	9.5
Construction	Composite, web cast into rim
Material	
Web	HR steel
Rim	Cast iron alloy
Swept drum area	268.8
Brake lining	
Material	Compression molded asbestos composition wet rolled; grooved primary linings front and rear.
Length	
Primary, front and rear	9.01
Secondary, front and rear	9.75
Width	
Front linings	2.50
Rear linings	2.00
Thickness, minimum @ C/L	
Primary, front and rear	.17
Secondary, front and rear	.20
Method of attachment	Bonded
Total effective area	155.2
Master cylinder	
Piston diameter	1.00
Piston travel (with available pedal travel)	1.13
Wheel cylinders	
Piston diameter	
Front	1.125
Rear	.875
Foot pedal travel	7.10

PARKING BRAKE

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

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

Type	Vacuum power unit added to assist master cylinder; integral system.
Pedal effort	Approximately 30 percent less than regular production service brakes at same deceleration rate
Braking ratios	
With regular production service brakes	
Pedal	3.4
Hydraulic	4.29
Overall	14.6
With front wheel disc brake system	
See front wheel disc brakes	
Master cylinder	
Piston travel (With available pedal travel)	1.42
Foot pedal travel	4.84

FRONT WHEEL DISC BRAKES, RPO J52 (Regular production service brakes at rear wheels; power assist required)

Type	Hub mounted front discs, with self-adjusting single piston caliper units mounted on the steering knuckle, a metering valve is provided for balance between front and rear brakes
Braking ratios	
Pedal	3.4
Hydraulic	14.1
Overall	48.0
Total effective lining area, disc and drum	106.1
Gross lining area, disc and drum	118.1
Disc	
Diameter	11.0
Material	Cast iron
Swept area per disc	106.4
Swept disc and drum area	332.4
Disc lining	
Material	Wet compression molded asbestos composition.
Size	5.96x2.21x.41
Method of attachment	Riveted
Total effective area per lining	9.5
Gross lining area per lining	10.6
Master cylinder	
Piston diameter	1.125
Piston travel (With available pedal travel)	1.44
Wheel cylinders	
Front calipers	
Number per wheel	1
Diameter	2.9375
Rear drums	
Diameter	.875
Foot pedal travel	4.84

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Automatic transmission quadrant	Column 1-194	2
Automatic transmission position pattern	Floor console, 2-1445	1
Back-up	2-1156	32
Brake warning	1-194	2
Courtesy		
Instrument panel	2-631	6
Seat separator	1-212	6
Directional signal indicators	2-194	2
Dome	1-211	12
Generator indicator	1-194	2
Glove compartment	1-1895	2
Headlamp	Outer	2-4002
	Inner	2-4001
		High beam 37.5W Low beam 55.0W
Headlamp hi-beam indicator	1-194	2
Heater controls	1-1445	1
Instrument cluster	10-194	2
License plate, rear	1-67	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-194	2
Parking		
Park	2-1157	3
Turn		32
Radio	1-1893	2
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Spot Lamp - Portable	1-4416	30W
Tail		
Tail	2-1157	3
Stop and turn		32
Temperature indicator	1-194	2
Underhood	1-93	15

FUSES AND CIRCUIT BREAKERS

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

* Letter suffix indicates same circuit



1
2
3



BODY

- EXTERIOR PAINT PROCESS 2
- EXTERIOR-INTERIOR COLORS 3
- BODY CONSTRUCTION AND GLASS AREA 7

EXTERIOR PAINT PROCESS

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

EXTERIOR-INTERIOR COLORS

MALIBU 135-13600 SERIES

MODELS				TRIM		INTERIOR TRIM COLOR AND RPO NUMBERS							
37	39	67	69	Bench	Bucket	Black	Med. Blue	Saddle	Dark Green	Med. Gold	Turquoise	Ivory	Red
X	X		X	Cloth		753	762		782	776			
	X		X	Cloth							779		
X	X	X	X	Vinyl		755							
		X		Vinyl			764						
X		X		Vinyl				770				790	787
X	X			Vinyl					795				
	X			Vinyl						777			
X		X		Vinyl		756		771				791	788
		X		Vinyl			765						
X				Vinyl					796				

RPO	EXTERIOR COLORS									
19	Tuxedo Black	X	X	X	X	X	X	X	X	X
14	Cortez Silver	X	X	X	X			X	X	X
34	Misty Turquoise	X						X	X	
10	Classic White	X	X	X	X	X	X	X	X	X
28	Fathom Blue	X	X						X	
75	Cranberry Red	X		X					X	X
25	Astro Blue	X		X					X	
50	Gobi Beige	X		X	X	X			X	
48	Forest Green	X		X	X	X			X	
45	Green Mist	X		X	X				X	
58	Autumn Gold	X		X	X	X			X	
63	Desert Sand	X		X					X	
55	Champagne Gold	X		X	X	X			X	
78	Black Cherry	X		X					X	X
17	Shadow Gray	X	X	X	X				X	X

RPO		TWO-TONE @								
Lwr.	Upz.									
25	10	Astro Blue	Classic White	X	X					X
34	10	Misty Turquoise	Classic White	X					X	X
25	28	Astro Blue	Fathom Blue	X	X					X
28	25	Fathom Blue	Astro Blue	X	X					X
55	10	Champagne Gold	Classic White	X		X	X	X		X
58	10	Autumn Gold	Classic White	X		X	X	X		X
63	10	Desert Sand	Classic White	X		X				X

FOLDING TOP COLOR
 White—Regular Production
 Black—RPO

@—Not available on Convertible models.

EXTERIOR-INTERIOR COLORS

VINYL ROOF COLORS

RPO	EXTERIOR COLOR	VINYL ROOF COLORS				
		Black	White	Dark Blue	Dark Green	Dark Gold
19	Tuxedo Black	X	X			
14	Cortez Silver	X	X	X		
78	Black Cherry	X	X			
10	Classic White	X	X	X	X	
17	Shadow Gray	X				
75	Cranberry Red	X	X			
25	Astro Blue	X	X	X		
55	Champagne Gold	X	X			X
58	Autumn Gold	X	X			X
50	Gobi Beige	X	X			X
45	Green Mist	X	X		X	
48	Forest Green	X	X		X	
63	Desert Sand	X	X			
34	Misty Turquoise	X	X			
28	Fathom Blue	X	X	X		

WINDSHIELD PILLAR MOLDING COLORS

INTERIOR TRIM COLOR	PILLAR MOLDING COLOR
Black	Black
Medium Blue	Dark Blue
Medium Saddle	Dark Saddle
Dark Green	Dark Green
Ivory	Black
Medium Turquoise	Dark Turquoise
Medium Red	Dark Red
Medium Gold	Dark Gold

SEAT BELT AND SHOULDER BELT COLORS

INTERIOR TRIM	STANDARD (a)	DELUXE (b)
	Seat Belts, Shoulder Belts, Roof Rail Retainer, Belt Retractor Colors	
Black	Black	Black
Medium Blue	Dark Blue	Dark Blue
Medium Saddle	Black	Medium Saddle
Dark Green	Dark Green	Dark Green
Ivory	Black	Black
Medium Turquoise	Black	Dark Turquoise
Medium Red	Black	Medium Red
Medium Gold	Medium Gold	Medium Gold

(a) Standard Seat Belt and Shoulder Belt Buckles are plastic, same color as belts.

(b) Seat Belt and Shoulder Belt Buckles are brushed finish (includes Passenger-Driver Mini-Buckle).

EXTERIOR-INTERIOR COLORS

STATION WAGON SERIES EL CAMINO SERIES

SERIES	BODY STYLE			SEAT TRIM		INTERIOR COLORS AND RPO TRIM NUMBERS		
	36	46	80	Bench	Bucket	Black	Reddlic	Blue
Nomad	X			Vinyl		750	772	759
Greenbrier	X	X		Vinyl		752	773	761
Concours	X	X		Vinyl		755	770	764
Concours Estate	X	X		Vinyl		755	770	764
Standard El Camino			X	Vinyl		752	773	761
Custom El Camino			X	Vinyl		755	770	764
Custom El Camino			X		Vinyl	756	771	765

VINYL ROOF COLORS @					RPO	EXTERIOR COLORS			
Black	White	Dark Blue	Dark Green	Dark Gold					
X	X				19	Tuxedo Black	X	X	X
X	X	X	X		10	Classic White	X	X	X
X	X	X			14	Cortez Silver	X	X	X
X	X				75	Cranberry Red	X	X	
X	X				78	Black Cherry	X	X	
X	X			X	55	Champagne Gold	X	X	
X	X			X	58	Autumn Gold	X	X	
X	X			X	50	Gobi Beige	X	X	
X	X				63	Desert Sand	X	X	
X	X		X		45	Green Mist	X	X	
X	X		X		48	Forest Green	X	X	
X	X				34	Misty Turquoise	X		
X	X	X			25	Astro Blue	X		X
X	X	X			28	Fathom Blue	X		X
X					17	Shadow Gray	X	X	X

@ Vinyl Roof for El Camino Only

EXTERIOR-INTERIOR COLORS

● CHEVELLE 133-13400 SERIES

MODEL				INTERIOR TRIM COLOR		
37	69	Cloth	Vinyl	Black	Medium Blue	Dark Green
X	X	X		751	760	786
X	X		X	752		

RPO	EXTERIOR COLORS				
19	Tuxedo Black		X	X	X
14	Cortez Silver		X	X	X
34	Misty Turquoise		X		
10	Classic White		X	X	X
28	Fathom Blue		X	X	
75	Cranberry Red		X		
25	Astro Blue		X	X	
50	Gobi Beige		X		X
48	Forest Green		X		X
45	Green Mist		X		
58	Autumn Gold		X		X
63	Desert Sand		X		X
55	Champagne Gold		X		X
78	Black Cherry		X		
17	Shadow Gray		X	X	X

RPO		TWO-TONE				
Lwr.	Upr.					
25	10	Astro Blue/Classic White		X	X	
34	10	Misty Turq./Classic White		X		
25	28	Astro Blue/Fathom Blue		X	X	
28	25	Fathom Blue/Astro Blue		X	X	
55	10	Champagne Gold/Classic White		X		X
58	10	Autumn Gold/Classic White		X		X
63	10	Desert Sand/Classic White		X		

BODY CONSTRUCTION AND GLASS AREA

GENERAL

Type Unisteel, with cowl, roof, underbody and body panels welded to form body shell. Front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal, with protective inner plastic fender skirts on all except Station Wagons and Pickups. Energy absorbing air-gap windshield pillar moldings for all models except convertible. Safety guard door beams for all models. Contoured windshield header except Convertible, and cargo guard luggage barrier on coupe and sedan models.

DOORS AND LOCKS

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

HOOD AND TRUNK LID

Type Counterbalanced, with spring loaded toggle action hinges on rear of hood and boxed hinges on trunk lid with torsion rod. Two hood stop pins mounted on the cowl.

VENTILATION

High level air intake for passenger compartment with double wall plenum chamber, providing washing and air drying of rocker panels for corrosion resistance. Air and water travel through rocker panels and drain at end of rocker inner panels. Astro Ventilation with instrument panel outlets standard on Sport Coupes and Convertibles.

TAILGATE

Type Dual action. Two separate latches unlock the tail gate as a gate or door.

SEAT CONSTRUCTION

Type
 Front seat cushion
 ● 2.00 polyfoam 131-13236,133-13400,135-13600,13836-46
 Rear seat cushion
 ● Jute and cotton 131-13236,133-400
 1.00 poly foam 135-13600, 13836-46
 3rd seat cushion
 0.75 poly foam 13446, 13646, 13846

WINDSHIELD WIPERS

Type Concealed dual 2-speed electric for Malibu, Concours and Concours Estate Wagons, and Custom El Camino. Conventional dual 2-speed system for Chevelle, Nomad and Greenbrier wagons, and standard El Camino.
 Linkage Parallel acting with articulated left arm for Malibu, Concours and Concours Estate Wagons and Custom El Camino.
 ● Conventional parallel acting system for Chevelle, Nomad and Greenbrier wagons, and standard El Camino.

SPARE TIRE MOUNT

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

BODY GLASS VISIBILITY AREA

	MODELS					
	69	39	37	67	36-46	80
Windshield	1249.6		1208.7	1211.8	1249.6	1208.7
Front Door Vent	90.0	97.8	-	-	90.0	88.8
Front Door Window	516.9	515.4	936.8	-	516.9	560.0
Rear Door Window	590.1	736.2	-	-	570.8	-
Rear Quarter Window	-	-	397.2	323.6	1238.5	-
Back Window	1032.2	1032.5	1059.4	539.7	757.0	695.6
Total Area (Sq. In.)	3472.8	3631.5	3602.1	3011.9	4422.8	2553.1



DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS	2
LUGGAGE CAPACITY	2
STATION WAGON CARGO SPACE	2
EXTERIOR DIMENSIONS	3
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INTERIOR DIMENSIONS

FRONT COMPARTMENT

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT SEDANS	SPORT COUPES	CONVERT- IBLES	STATION WAGONS	SEDAN PICKUP
H3	Seat cushion height			10.5		10.9	10.5
H11	Entrance height	30.1	30.3	29.5		29.7	30.1
H13	Steering wheel thigh clearance	4.2		4.0		4.1	4.1
H30	H point to heel point				8.1		
H32	Seat cushion deflection		4.0		3.9	3.8	4.0
H58	H point rise				0.8		
H61	Effective headroom	38.5	38.1	37.5	38.3	38.1	38.2
H70	H point to body O line	13.8		14.2		14.2	13.8
H75	Effective headroom - "T" point	38.7	38.3	37.6	38.5	38.2	38.3
W3	Shoulder room	58.2	58.4		58.2	58.3	58.2
W5	Hip room	59.8	59.5		59.7	59.7	59.8
L7	Steering wheel torso clearance	12.2		12.1		12.3	12.2
L17	H point travel				4.8		
L34	Effective leg room	42.7		42.8		42.8	42.5

REAR COMPARTMENT

H8	Seat cushion height	13.3	13.2	12.7		13.0	---
H12	Entrance height	29.5	29.9			29.7	---
H31	H point to heel point	10.8	10.7	10.1		10.6	---
H33	Seat cushion deflection		4.4	4.7		4.5	---
H51	Upper body opening to ground	48.1	48.5			48.3	---
H63	Effective headroom		37.1	36.3	36.9	38.3	---
H71	H point to body O line		14.0		13.4	14.0	---
H76	Effective headroom - "T" point		37.1	36.3	36.9	38.5	---
W4	Shoulder room	57.4	57.2	56.9	47.9	57.4	---
W6	Hip room	59.4	59.2	52.9	50.4	59.4	---
L3	Rear compartment room		25.8		23.7	26.1	---
L50	H point couple distance		32.8		30.6	32.8	---
L51	Effective leg room	35.0	34.9	32.3		34.6	---

STATION WAGON THIRD SEAT

W85	Shoulder room					57.5	
W86	Hip room					47.0	
H86	Effective headroom					35.9	
L86	Effective leg room					30.5	
L87	Knee room					10.5	

LUGGAGE COMPARTMENT

---	Opening width						
---	Interior height						
---	Interior width						
---	Interior length						
H195	Liftover height		26.6		25.9		28.7
V1	Usable luggage capacity (cu.ft.)		13.5		14.6	8.5	---
---	Total volume (cu.ft.)						

STATION WAGON CARGO SPACE

H201	Maximum cargo height					31.6	
H202	Rear opening height					28.6	
H250	Tailgate to ground height					21.4	21.4
W200	Cargo width - front					59.5	58.8
W201	Cargo width - wheelhouse					44.5	45.3
W203	Rear opening width at floor					50.0	54.6
W204	Rear opening width at belt					49.6	
W205	Rear opening width above belt					49.4	
L200	Maximum cargo length - front seat					116.8	
L201	Maximum cargo length - second seat					85.0	
L202	Cargo length at floor - front seat					90.9	79.3
L203	Cargo length at floor - second seat					59.1	
L204	Cargo length at belt - front seat					79.9	
L205	Cargo length at belt - second seat					46.8	
V2	Total cargo volume (cu.ft.)					94.0	38.5

EXTERIOR DIMENSIONS

LENGTHS

CODE	DESCRIPTION	4-DOOR SEDAN	SPORT SEDANS	SPORT COUPES	CONVERT- IBLES	STATION WAGONS	SEDAN PICKUP
L101	Wheelbase	116.0		112.0		116.0	
L102	Tire size (standard)	E78-14 (6 cyl); F78-14 (V8)				G78-14 (a)	
L103	Overall length	201.2		197.2		206.5	
L104	Overhang - front			37.5			
L105	Overhang - rear			47.7		53.0	
—	Overall length - less bumpers						
L127	Body O line to C/L of rear wheels	99.5		95.5		99.5	
L128	Hood length at centerline			61.0			

WIDTHS

W101	Tread - front			60.0			
W102	Tread - rear			59.9			
W103	Maximum overall width of car			75.4			
W106	Front fender overall width			75.5		75.6	
W107	Rear fender overall width			75.4		75.3 75.4	
W120	Overall car width, front doors open	132.3		150.1		132.3 132.3	
W121	Overall car width, rear doors open	134.4		—		134.2 —	

HEIGHTS

H101	Overall height (design)	53.2		52.6	52.9	55.1	54.4
—	Overall height (curb)						
H102	Front bumper to ground	13.8		14.3		15.0	15.0
H104	Rear bumper to ground	15.7		15.1		12.9	11.9
H111	Rocker panel to ground - rear	7.5		7.2		9.2	8.5
H112	Rocker panel to ground - front	8.4		8.5		9.8	9.4
H114	Hood at rear to ground	38.0		38.1		39.4	39.1
H115	Step height - front (design)			12.5			
H116	Step height - rear (design)	12.2		—		—	
H125	Headlamp to ground	26.9		27.4		28.1	28.1
H126	Tail lamp to ground	20.5		19.9		26.0	25.0
H130	Step height - front (curb)						
H131	Step height - rear (curb)						
H136	Body O line to ground - front	4.8		5.1		6.2	5.9
H137	Body O line to ground - rear	4.1		3.7		5.9	5.1

CLEARANCES

H106	Angle of approach (degrees)	25.2		25.5		26.5	26.0
H107	Angle of departure (degrees)	21.2		21.0		17.0	16.5
H147	Ramp break over angle (degrees)	13.2		13.6		15.5	15.0
H148	Front suspension to ground	5.2		5.5		6.6	6.3
H149	Oil pan to ground	5.3		5.5		6.6	6.4
H150	Flywheel housing to ground	5.2		5.4		6.6	6.3
H151	Frame to ground			5.8		7.4	6.9
H152	Exhaust system to ground	4.7		4.6		6.2	5.7
H153	Rear axle to ground						
H154	Fuel tank to ground	7.4		7.0		10.7	10.1
H155	Tire well to ground	—		—		8.1	—
H156	Minimum ground clearance (H152)	4.7		4.6		6.2	5.7

(a) Sedan Pickup - F78-14

VEHICLE WEIGHTS

● CHEVELLE

MODEL SYMBOL		VEHICLE TYPE Description	SHIPPING WEIGHT			CURB WEIGHT		
6-Cyl	V8		Front	Rear	Total	Front	Rear	Total
13369	---	4-Door Sedan	1786	1403	3189	1764	1528	3292
---	13469		1877	1416	3293	1857	1541	3398
13337	---	2-Door Sport Coupe	1769	1390	3159	1748	1515	3263
---	13437		1861	1404	3265	1840	1529	3369

MALIBU

13569	---	4-Door Sedan	1804	1417	3221	1784	1543	3327
---	13669		1899	1431	3330	1877	1557	3434
13537	---	2-Door Sport Coupe	1790	1407	3197	1770	1533	3303
---	13637		1885	1422	3307	1864	1547	3411
13539	---	4-Door Sport Sedan	1832	1470	3302	1812	1594	3406
---	13639		1926	1483	3409	1905	1608	3513
13567	---	2-Door Convertible	1784	1459	3243	1762	1584	3346
---	13667		1877	1475	3352	1856	1600	3456

NOMAD

13136	---	4-Door, 2-Seat Station Wagon	1681	1934	3615	1664	2055	3719
---	13236		1784	1934	3718	1767	2055	3822

GREENBRIER

13336	---	4-Door, 2-Seat Station Wagon	1676	1968	3644	1659	2089	3748
---	13436		1780	1968	3748	1763	2089	3852
---	13446	4-Door, 3-Seat Station Wagon	1764	2030	3794	1747	2151	3898

CONCOURS

13536	---	4-Door, 2-Seat Station Wagon	1696	1991	3687	1679	2112	3791
---	13636		1802	1992	3794	1785	2113	3898
---	13646	4-Door, 3-Seat Station Wagon	1784	2052	3836	1767	2173	3940

CONCOURS ESTATE

---	13836	4-Door, 2-Seat Station Wagon	1815	2006	3821	1798	2127	3925
---	13846	4-Door, 3-Seat Station Wagon	1804	2076	3880	1787	2197	3984

EL CAMINO

13380	---	2-Door Sedan Pickup	1789	1405	3194	1768	1531	3299
---	13480		1881	1419	3300	1860	1544	3404
13580	---		1800	1414	3214	1779	1539	3318
---	13680		1893	1428	3321	1872	1553	3425

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment, including grease, oil and (3) gallons of gasoline, and engine coolant to capacity.

CURB WEIGHT: Shipping weight plus gasoline to capacity.

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

VEHICLE WEIGHTS

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT
A31	Power Windows		+ 23
A51	Astro Bucket Seat		+ 20
AU3	Electric Door Locks	2-Door	+ 7
		4-Door	+ 9
C06	Electric Folding Top		+ 7
C08	Vinyl Roof Cover		+ 7
C60	Air Conditioning (V8 only)		+ 93
D55	Floor Console		+ 12
JL2	Power Disc Brakes	Base & 350	+ 21
		396	+ 26
J50	Power Brakes		+ 12
-	250 Cu.In. 6 Cyl. Engine (155 H.P.)	Powerglide Transmission	- 8
		Turbo Hydra-Matic Transmission	+ 26
-	307 Cu.In. V8 Engine (200 H.P.)	4-Speed Transmission	+ 18
		Powerglide Transmission	+ 8
L65	350 Cu.In. V8 Engine (250 H.P.)	Turbo Hydra-Matic Transmission	+ 28
		3-Speed Transmission	+ 37
		4-Speed Transmission	+ 55
		Powerglide Transmission	+ 39
L48	350 Cu.In. V8 Engine (300 H.P.)	Turbo Hydra-Matic Transmission	+ 65
		4-Speed Transmission	+ 54
		Powerglide Transmission	+ 45
LS3	402 Cu.In. V8 Engine (330 H.P.)	Turbo Hydra-Matic Transmission	+ 75
		4-Speed Transmission	+243
L34	402 Cu.In. V8 Engine (350 H.P.)	Turbo Hydra-Matic Transmission	+285
		4-Speed Transmission	+292(a)
L35	454 Cu.In. V8 Engine (360 H.P.)	H.D. 4-Speed Transmission	+346(a)
		Turbo Hydra-Matic Transmission	+348(a)
N40	Power Steering		+402(a)
UM1	AM Radio & Tape Player		+ 29
UM2	AM-FM Radio & Tape Player		+ 25
U63	AM Radio, Pushbutton		+ 39
U69	AM-FM Radio, Pushbutton		+ 8
U79	Radio Stereo Equipment		+ 9
			+ 16

(a) Available as 'SS' equipment only - includes additional body and chassis equipment.

POWER TRAINS

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POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*	
			STD.	A/C
Turbo Thrift 250 250 Cubic Inch L-6 155 HP Standard	3-Speed (2.85:1 low)	All Models except Station Wagons & Pickups	3.08:1	NA
	Powerglide		3.08:1	NA
	Turbo Hydra-Matic	2.73:1	NA	
	3-Speed (2.85:1 low)	Station Wagons & Pickups	3.36:1	NA
	Powerglide		3.36:1	NA
Turbo Hydra-Matic	3.08:1		NA	

Turbo Fire 307 307 Cubic Inch V-8 200 HP Standard	3-Speed (2.85:1 low)	All Models except Station Wagons & Pickups	3.08:1	3.08:1
	4-Speed (2.85:1 low)		3.36:1	3.36:1
	Powerglide		3.08:1	3.08:1
	Turbo Hydra-Matic	2.73:1	2.73:1	
	3-Speed (2.85:1 low)	Station Wagons & Pickups	3.36:1	3.36:1
	4-Speed (2.85:1 low)		3.36:1	3.36:1
	Powerglide		3.36:1	3.36:1
Turbo Hydra-Matic	3.08:1		3.08:1	

Turbo Fire 350 350 Cubic Inch V-8 250 HP RPO L65	3-Speed (2.54:1 low)	All Models	3.08:1	3.08:1
	4-Speed (2.54:1 low)		3.36:1	3.36:1
	Powerglide		2.73:1	2.73:1
	Turbo Hydra-Matic		2.56:1	2.56:1

Turbo Fire 350 350 Cubic Inch V-8 300 HP RPO L48	4-Speed (2.52:1 low)	All Models	3.31:1	3.31:1
	Powerglide		2.73:1	2.73:1
	Turbo Hydra-Matic		2.73:1	2.73:1

Turbo Jet 400 402 Cubic Inch V-8 330 HP RPO L53	4-Speed (2.52:1 low)	All Models	3.31:1	3.31:1
	Turbo Hydra-Matic		3.31:1	3.31:1

Turbo Jet 396 402 Cubic Inch V-8 350 HP RPO L34	4-Speed (2.52:1 low)	Sport Coupe Convertible & Pickup	3.31:1	3.31:1
	4-Speed (2.20:1 low)		3.31:1	3.31:1
	Turbo Hydra-Matic		3.31:1	3.31:1

Turbo Jet 454 454 Cubic Inch V-8 360 HP RPO L55	HD 4-Spd (2.20:1 low)	Sport Coupe Convertible & Pickup	3.31:1	3.31:1
	Turbo Hydra-Matic		3.31:1	3.31:1

*Positraction axles available optionally for all ratios

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
250 Cu. In. L-6 155 HP Standard	Single Barrel	3-Speed	8.78	5.17	3.08		9.09	3.08
307 Cu. In. V-8 200 HP Standard	2-Barrel	3-Speed	8.78	5.17	3.08		9.09	3.08
		4-Speed	9.58	6.79	4.54	3.36	9.58	3.36
350 Cu. In. V-8 250 HP RPO L65	2-Barrel	3-Speed	7.82	4.62	3.08		8.10	3.08
		4-Speed	8.53	6.05	4.84	3.36	8.53	3.36
350 Cu. In. V-8 300 HP RPO L48	4-Barrel	4-Speed	8.34	6.22	4.83	3.31	8.57	3.31
402 Cu. In. V-8 330 HP RPO L53	4-Barrel	4-Speed	8.34	6.22	4.83	3.31	8.57	3.31
402 Cu. In. V-8 350 HP RPO L34	4-Barrel	H. D. 3-Speed	8.59	5.61	3.55		8.55	3.55
		4-Speed (2.52:1)	8.34	6.22	4.83	3.31	8.57	3.31
		4-Speed (2.20:1)	8.28	5.43	4.20	3.31	7.48	3.31
454 Cu. In. V-8 360 HP RPO L55	4-Barrel	4-Speed	8.28	5.43	4.20	3.31	7.48	3.31

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
250 Cu. In. L-6 155 HP Standard	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
	Turbo Hydra-Matic	Drive	14.44:1 - 2.73:1	2.73:1
		Low	14.44:1 - 6.88:1	
		Second	14.44:1 - 4.15:1	
		Reverse	11.00:1 - 5.27:1	
307 Cu. In. V-8 200 HP Standard	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
	Turbo Hydra-Matic	Drive	14.44:1 - 2.73:1	2.73:1
		Low	14.44:1 - 6.88:1	
		Second	14.44:1 - 4.15:1	
		Reverse	11.06:1 - 5.27:1	
350 Cu. In. V-8 250 HP RPO L65	Powerglide	Drive	10.10:1 - 2.73:1	2.73:1
		Low & Reverse	10.10:1 - 4.80:1	
	Turbo Hydra-Matic	Drive	13.54:1 - 2.56:1	2.56:1
		Low	13.54:1 - 6.45:1	
		Second	13.54:1 - 3.89:1	
		Reverse	10.37:1 - 4.94:1	
350 Cu. In. V-8 300 HP RPO L48	Powerglide	Drive	10.10:1 - 2.73:1	2.73:1
		Low & Reverse	10.10:1 - 4.80:1	
	Turbo Hydra-Matic	Drive	14.44:1 - 2.73:1	2.73:1
		Low	14.44:1 - 6.88:1	
		Second	14.44:1 - 4.15:1	
		Reverse	11.06:1 - 5.27:1	
402 Cu. In. V-8 330 HP RPO L53 and 350 HP RPO L35	Turbo Hydra-Matic	Drive	17.25:1 - 3.31:1	3.31:1
		Low	17.25:1 - 8.21:1	
		Second	17.25:1 - 4.90:1	
		Reverse	14.46:1 - 6.88:1	
454 Cu. In. V-8 360 HP RPO L55	Turbo Hydra-Matic	Drive	17.25:1 - 3.31:1	3.31:1
		Low	17.25:1 - 8.21:1	
		Second	17.25:1 - 4.90:1	
		Reverse	14.46:1 - 6.88:1	

* Axle ratio x transmission ratio

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type	L-6 OHV		V-8 OHV				
Piston Displacement (Cu.In.)	250	307	350		402	454	
Availability	Standard		L65	L48	LS3	L34	L55
Number of Cylinders	Six		Eight				
Bore (nominal)	3.875		4.00		4.126	4.251	
Stroke (nominal)	3.53	3.25	3.48		3.76	4.00	
Compression Ratio	8.5:1		9.00:1		10.25:1		
Taxable (SAE) Horsepower	36.0	48.0	51.2		54.5	57.8	
Firing Order	1-5-3-6-2-4		1-8-4-3-6-5-7-2				
Idling Speed	3-Speed & 4-Speed (in neutral)		750	750	700		
	Powerglide (in drive)		600				
	Turbo Hydra-Matic (in drive)		600				
Comp. Press. (PSI) @ Cranking Speed, Engine Hot	140		150		160		
Power Plant Mountings	Front		Two, combination compression and shear type				
	Rear		One, shear type				
Measurements	Fan to rear of engine block		35.27	31.13	30.69	30.16	33.97
	Top of air cleaner to bottom of oil pan		27.44	29.49	29.29	26.79	27.62
	Width - including air cleaner		30.15	27.34	27.34	27.97	30.00

ADVERTISED ENGINE RATING

Engine Designation	Turbo-Thrift 250 L-6 155 HP	Turbo-Fire 307 V-8 200 HP	Turbo-Fire 350 V-8 250 HP	Turbo-Fire 350 V-8 300 HP	Turbo-Jet 400 V-8 330 HP	Turbo-Jet 400 V-8 350 HP	Turbo-Jet 454 V-8 360 HP
Availability	Standard	Standard	RPO L65	RPO L48	RPO LS3	RPO L34	RPO L55
Carburetor	Single Bbl.	Two Bbl.	Two Bbl.	Four Bbl.	Four Bbl.	Four Bbl.	Four Bbl.
Gross Brake HP @ RPM	155 @ 4200	200 @ 4600	250 @ 4800	300 @ 4800	330 @ 4800	350 @ 5200	360 @ 4400
Gross Torque @ RPM (lb-ft)	235 @ 1600	300 @ 2400	345 @ 2800	380 @ 3200	410 @ 3200	415 @ 3400	500 @ 3200

ENGINE SPEED AND PISTON TRAVEL

TURBO-THRIFT 250 L-6 ENGINE

Transmission	3-Speed	Powerglide	Turbo Hydra-Matic
Rear Axle Ratio	3.08:1 (a)		2.73:1 (b)
Tire Size	E78 x 14 (c)		
Crankshaft Revolutions per Mile	2464.0		2184.0
Crankshaft RPM @ 1 MPH	Low	117.04	74.5
	Second	69.0	55.3
	Third	41.1	41.1 (direct)
	Reverse	121.5	74.5
Piston Travel (ft/mile)	1449.7		1284.9

(a) 3.36:1 on Station Wagons & Pickups (b) 3.08:1 on Station Wagons & Sedan Pickups
(c) F78 x 14 on Sedan Pickups; G78 x 14 on Station Wagons

TURBO-FIRE 307 V-8 ENGINE

Transmission	3-Speed	4-Speed	Powerglide	Turbo Hydra-Matic
Rear Axle Ratio	3.08:1 (a)		3.08:1 (a)	2.73:1 (b)
Tire Size	F78 x 14 (c)			
Crankshaft Revolutions per Mile	2427.0	2647.7	2427.0	2151.2
Crankshaft RPM @ 1 MPH	Low	115.3	125.8	73.6
	Second	68.0	89.1	54.5
	Third	40.5	60.0	40.5 (direct)
	Fourth		44.1	
	Reverse	119.3	125.8	73.6
Piston Travel (ft/mile)	1314.6	1434.2	1314.6	1165.3

(a) 3.36:1 on Station Wagons & Sedan Pickups (b) 3.08:1 on Station Wagons & Sedan Pickups
(c) G78 x 14 on Station Wagons

TURBO-FIRE 350 V-8 ENGINES (RPO L65 & L48)

Transmission	RPO L65				RPO L48			
	3-Speed	4-Speed	Pwr/Gld	Trb/Hyd	4-Speed	Pwr/gld	Trb/Hyd	
Rear Axle Ratio	3.08:1		2.73:1		2.73:1			
Tire Size	F78 x 14 (a)							
Crankshaft Revolutions per Mile	2427.0	2647.7	2151.2	2017.3	2608.3	2151.2		
Crankshaft RPM @ 1 MPH	Low	102.7	112.1	63.1	84.7	109.5	63.1	
	Second	60.7	79.4		51.1	81.7	54.5	
	Third	40.5	63.5	35.8	33.6	63.5	35.8 (direct)	
	Fourth		44.1			43.5		
	Reverse	106.4	112.1	63.1	64.9	112.6	63.1	69.2
Piston Travel (ft/mile)	1407.7	1535.7	1247.7	1170.0	1512.8	1247.7		

(a) G78 x 14 on Station Wagons

TURBO-JET 396 & 400 V-8 ENGINES (402 Cu.In. RPO L34 & LS3)

Transmission	RPO LS3-400			RPO L34-396		
	4-Speed	Trb/Hyd		4-Speed	4-Speed	Trb/Hyd
Rear Axle Ratio	3.31:1			3.31:1		
Tire Size	F78 x 14 (a)			F70 x 14 (b)		
Crankshaft Revolutions per Mile	2608.3			2605.0		
Crankshaft RPM @ 1 MPH	Low	109.5	107.8	109.4	95.5	107.7
	Second	81.7	64.3	81.6	71.2	64.3
	Third	63.5	43.5 (direct)	63.4	55.1	43.4 (direct)
	Fourth	43.5		43.4	43.4	
	Reverse	112.6	90.4	112.4	98.1	90.3
Piston Travel (ft/mile)	1634.5			1632.4		

(a) G78 x 14 on Station Wagons (b) G70 x 14 on Sedan Pickups

TURBO-JET 454 V-8 ENGINE (RPO LS5)

Transmission	4-Speed	Turbo Hydra-Matic
Rear Axle Ratio	3.31:1	
Tire Size	F70 x 14 (a)	
Crankshaft Revolutions per Mile	2605.0	
Crankshaft RPM @ 1 MPH	Low	95.5
	Second	71.2
	Third	55.1
	Fourth	43.4
	Reverse	98.1
Piston Travel (ft/mile)	1736.6	

(a) G70 - 14 on Sedan Pickups

VEHICLE PERFORMANCE FACTORS

ENGINE	BASE 250 CU.IN. 155 HP	BASE 307 CU.IN. 200 HP	RPO L65 350 CU.IN. 250 HP	RPO L48 350 CU.IN. 300 HP	RPO LS3 402 CU.IN. 330 HP	RPO L34 402 CU.IN. 350 HP	RPO LS5 454 CU.IN. 360 HP
MODEL	13569	13669	13669	13669	13669	13637	13637

3-SPEED TRANSMISSION

Performance Weight (pounds)	3927	4034	4071				
Pounds per Gross Horsepower	25.33	20.17	16.28				
Pounds per Cu.In. Displacement	15.71	13.14	11.60				
Gross HP per Cu.In. Displacement	.620	.651	.714				
Power Displacement (cu.ft./mile)	178.22	215.59	245.78				
Displacement Factor (cu.ft./ton mile)	90.93	106.73	120.48				

4-SPEED TRANSMISSION

Performance Weight (pounds)		4052	4089	4088	4277	4218	4273
Pounds per Gross Horsepower		20.26	16.36	13.49	12.96	12.02	11.87
Pounds per Cu.In. Displacement		13.11	11.65	11.65	10.64	10.49	9.41
Gross HP per Cu.In. Displacement		.651	.714	.857	.821	.870	.793
Power Displacement (cu.ft./mile)		235.13	268.13	264.14	301.88	298.48	342.19
Displacement Factor (cu.ft./ton mile)		115.83	131.44	129.48	141.07	141.46	159.90

TURBO HYDRA-MATIC

Performance Weight (pounds)	3953	4062	4099	4109	4319	4271	4327
Pounds per Gross Horsepower	25.50	20.31	16.40	13.56	13.08	12.17	12.02
Pounds per Cu.In. Displacement	15.81	13.20	11.68	11.71	10.74	10.62	9.53
Gross HP per Cu.In. Displacement	.620	.651	.714	.857	.821	.870	.793
Power Displacement (cu.ft./mile)	157.97	191.09	204.29	217.85	301.98	298.48	342.19
Displacement Factor (cu.ft./ton mile)	79.78	94.13	99.65	106.27	139.76	139.48	158.42

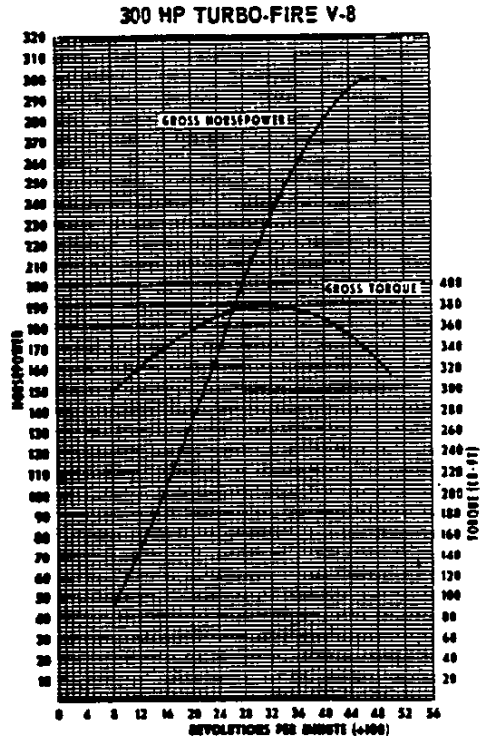
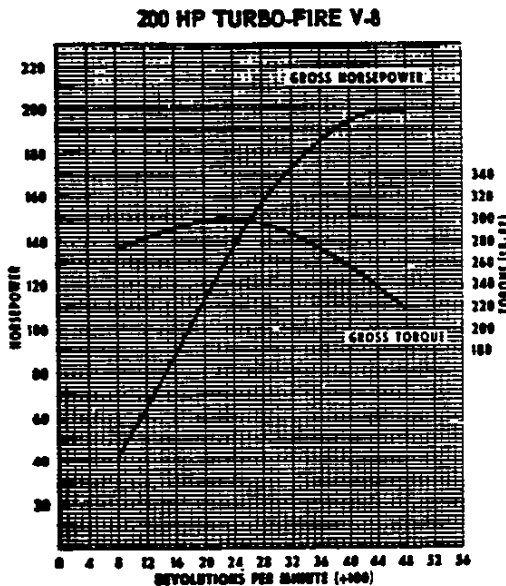
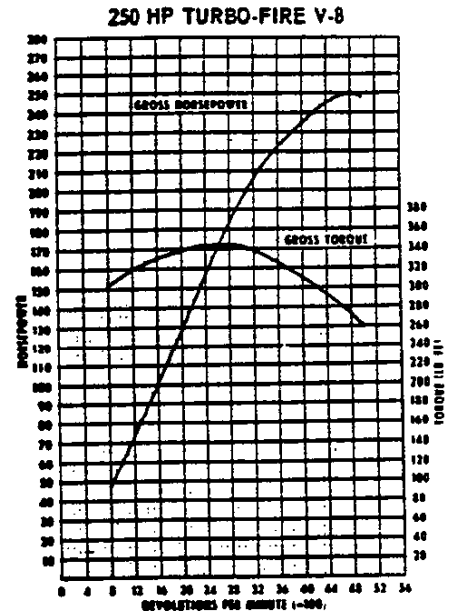
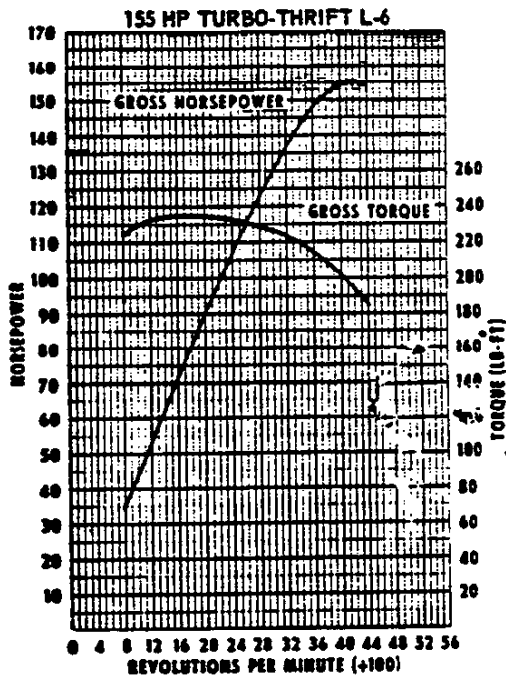
POWERGLIDE

Performance Weight (pounds)	3919	4026	4073	4079			
Pounds per Gross Horsepower	25.28	20.13	16.29	13.46			
Pounds per Cu.In. Displacement	15.68	13.08	11.61	11.63			
Gross HP per Cu.In. Displacement	.620	.651	.714	.857			
Power Displacement (cu.ft./mile)	178.22	215.59	217.85	217.85			
Displacement Factor (cu.ft./ton mile)	90.94	107.26	106.79	106.79			

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

ENGINE OUTPUT CURVES



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

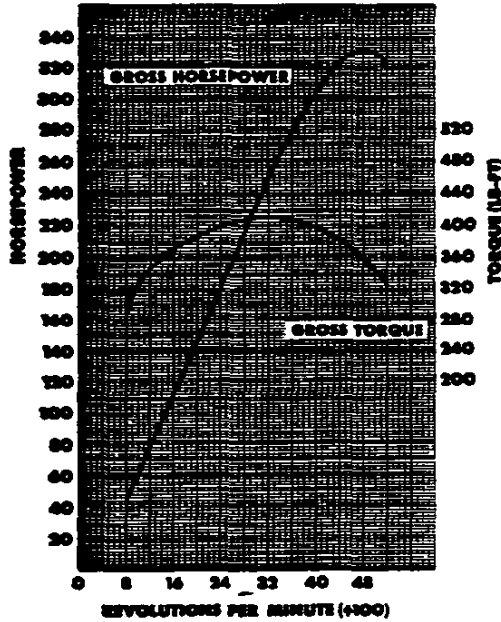
GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system,

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

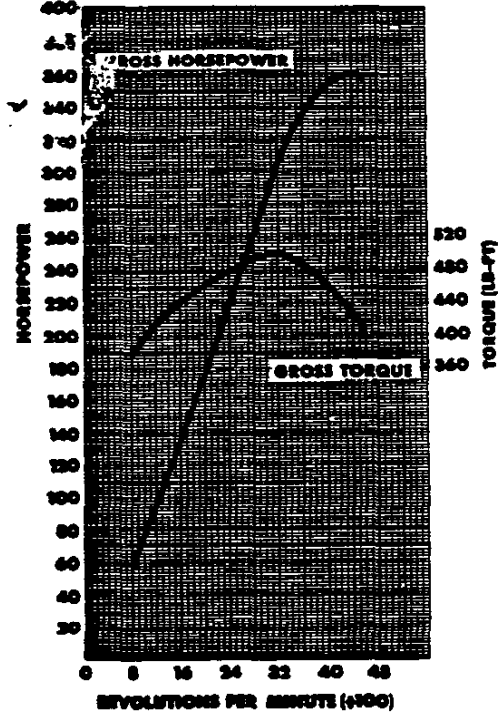
NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle, except the generator is not charging.

ENGINE OUTPUT CURVES

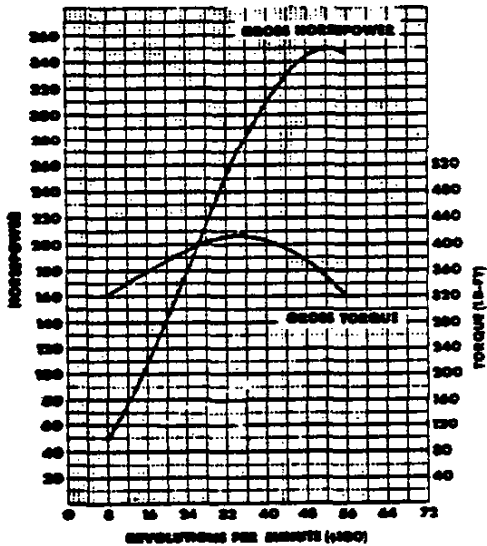
● 330 HP TURBO-JET V-8



● 360 HP TURBO-JET V-8



350 HP TURBO-JET V-8



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

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system,

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

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

PRINCIPAL COMPONENTS

CYLINDER BLOCK

Material	Cast alloy iron
Bore Diameter	
L6-250 Cu.In.	3.8745-3.8775
V8-307 Cu.In.	3.8745-3.8775
V8-350 Cu.In.	3.9995-4.0025
V8-402 Cu.In.	4.1346-4.1274
V8-454 Cu.In.	4.2496-4.2524
No. of Bolt-heads	
L6	7
V8	5
Water Jacket	*Full length around each cylinder
Cylinder Numbering Arrangement	
L6	1-2-3-4-5-6
V8	Left bank 1-3-5-7 Right bank 2-4-6-8
Bore Spacing (Casterline to Casterline)	
L6-250 Cu.In.	4.4
V8-307 & 350 Cu.In.	4.4
V8-402 & 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.
V8-307 & 350 Cu.In.	34; 4375 dia. 14 threads/in.
V8-402 & 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.	5.73 Cu.In.
V8-307 Cu.In.	5.02 Cu.In.
V8-350 Cu.In. (RPO L65)	5.62 Cu.In.
V8-350 Cu.In. (RPO L48)	4.83 Cu.In.
V8-402 Cu.In.	5.70 Cu.In.
V8-454 Cu.In.	6.31 Cu.In.

INLET MANIFOLD

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

EXHAUST MANIFOLD

Material	Cast alloy iron
Type	
L6-250 Cu.In.	4 port, center downtake
V8-307 & 350 Cu.In.	Dual, 4 port, rear downtake
V8-402 & 454 Cu.In.	Dual, 4 port, rear downtake
Outlet Diameter	
L6-250, V8-307 & 350 Cu.In.	2.0
V8-402 & 454 Cu.In.	2.5

CRANKSHAFT

Material	
L6-250 Cu.In.	Cast modular iron
V8-307 & 350 Cu.In.	Cast modular iron
V8-402 Cu.In. (RPO L53)	Modular iron
V8-402 (RPO L34) & 454 Cu.In.	Forged steel
End Play	
L6-250 Cu.In.	.002-.006
V8-307 & 350 Cu.In.	.002-.006
V8-402 & 454 Cu.In.	.006-.010
Counter Weights	
L6-250 Cu.In.	12
V8-307, 350, 402 & 454 Cu.In.	6
Crank Arm Length	
L6-250 Cu.In.	1.765
V8-307 Cu.In.	1.625
V8-350 Cu.In.	1.74
V8-402 & 454 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
Pinion 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.	L6-No. 7; V8-No. 5
Clearance	
L6-250 Cu.In.	.0003-.0029
V8-307 & 350 Cu.In.	(No. 1) .0006-.0020; (No. 2-3-4) .0011-.0023; (No. 5) .0017-.0033
V8-402 & 454 Cu.In.	(No. 1) .0007-.0019 (No. 2-3-4) .0013-.0025; (No. 5) .0019-.0035

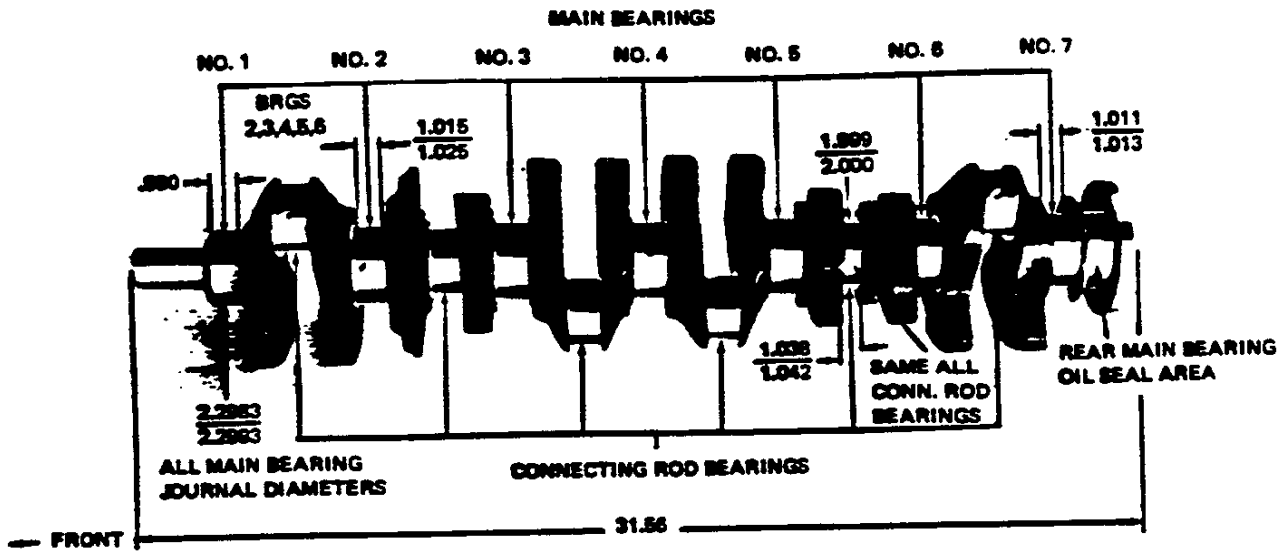
Dimensions

	Theoretical Inner Dia.	Effective Length	Projected Area
L6-250 Cu.In.			
Bearing No. 1-6	2.3004	.752	1.7299
Bearing No. 7	2.3004	.760	1.7483
V8-307 & 350 Cu.In.			
Bearing No. 1	2.4502	.752	1.8425
Bearing No. 2-4	2.4505	.752	1.8428
Bearing No. 5	2.4508	1.177	2.8846
V8-402 & 454 Cu.In.			
Bearing No. 1	2.7509	.992	2.7289
Bearing No. 2	2.7510	.992	2.7290
Bearing No. 3 & 4	2.7505	.992	2.7285
Bearing No. 5	2.7510	1.2525	3.4456
V8-454 Cu.In.			
Bearing No. 1	2.7503	.992	2.7283
Bearing No. 2, 3 & 4	2.7505	.992	2.7285
Bearing No. 5	2.7510	1.252	3.4457

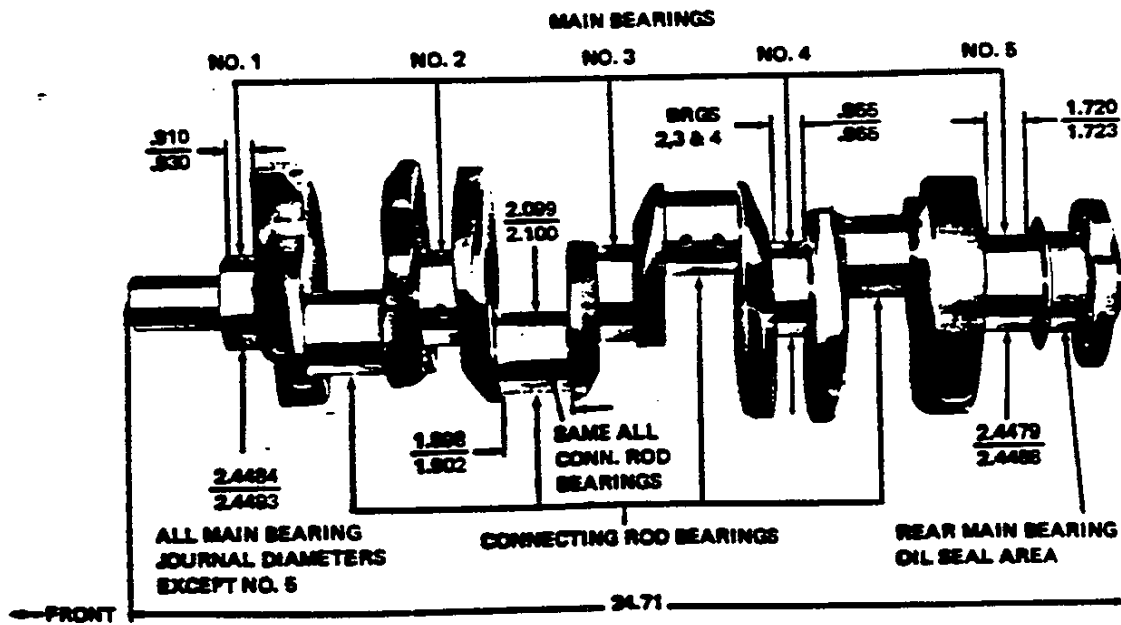
PRINCIPAL COMPONENTS

CRANKSHAFTS AND BEARINGS

290 CUBIC INCH SIX CYLINDER ENGINE



307 and 350 CUBIC INCH V-8 ENGINES



PRINCIPAL COMPONENTS

CAMSHAFT

Material	Cast alloy iron
Drive	
L6	Gear; bakelite and fabric composition
V8	Sprocket & chain; steel
Lobe Lift	
L6-250 Cu.In.	.2217 Inlet & Exhaust
V8-307 & 350 Cu.In.	.2600 Inlet; .2733 Exhaust
V8-402 Cu.In. (RPO LS3)	.2343 Inlet & Exhaust
V8-402 Cu.In. (RPO L34)	.2714 Inlet; .2824 Exhaust
V8-454 Cu.In.	.2714 Inlet; .2824 Exhaust
Camshaft Bearings	Steel backed babbit

VALVE TRAIN

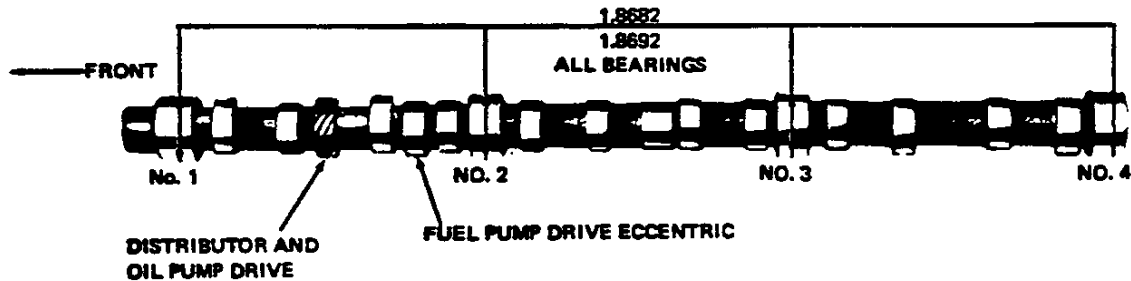
Type	Individually mounted, overhead rocker arms, push rod actuated
Lifters	Hydraulic
Rocker Arms	Stamped steel
Ratio	
L6-250 Cu.In.	1.75:1
V8-307 & 350 Cu.In.	1.50:1
V8-402 & 454 Cu.In.	1.70:1
Push Rods	
Type	Hollow steel
Ends	
L6, V8-307 & 350 Cu.In.	Hardened
V8-402 & 454 Cu.In.	Hardened steel inserts

VALVE SPRINGS

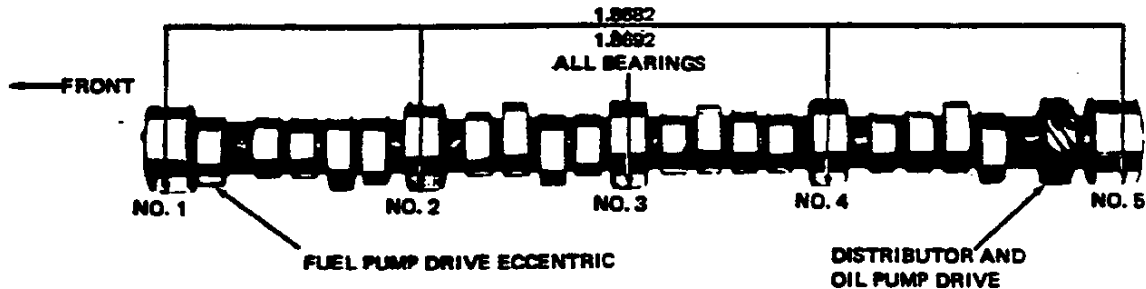
Diameter	
L6-250 Cu.In.	.872-.888
V8-307 & 350 Cu.In.	.868-.884
V8-402 & 454 Cu.In.	1.080-1.094
Installed Length (lb. @ in.)	
Valves closed	
L6-250 Cu.In.	56-64 @ 1.66
V8-307 & 350 Cu.In.	76-84 @ 1.70
V8-402 & 454 Cu.In.	
Outer spring	69-81 @ 1.88
Inner spring	26-34 @ 1.78
Valves opened	
L6-250 Cu.In.	180-192 @ 1.27
V8-307 & 350 Cu.In.	194-206 @ 1.25
V8-402 & 454 Cu. In.	
Outer spring	228-252 @ 1.38
Inner spring	81-99 @ 1.28
Free Length	
L6-250 Cu.In.	1.90
V8-307 & 350 Cu.In.	2.03
V8-402 & 454 Cu. In.	
Outer spring	2.12
Inner spring	2.06
Valve Spring Damper	
L6-250 Cu.In.	None
V8-307 & 350 Cu.In.	Flat steel, 4 coils

CAMSHAFT AND BEARINGS

250 CUBIC INCH L-6 ENGINE



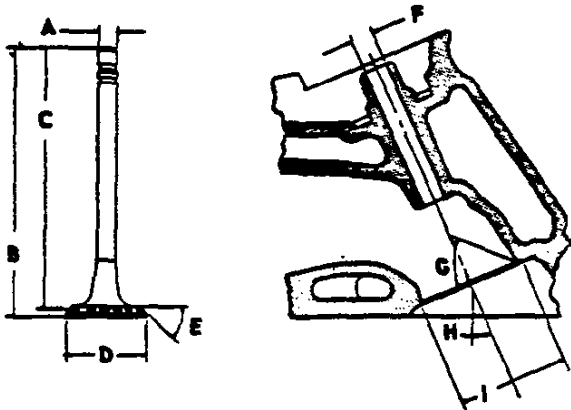
307 and 350 CUBIC INCH V-8 ENGINES



PRINCIPAL COMPONENTS

INLET VALVES

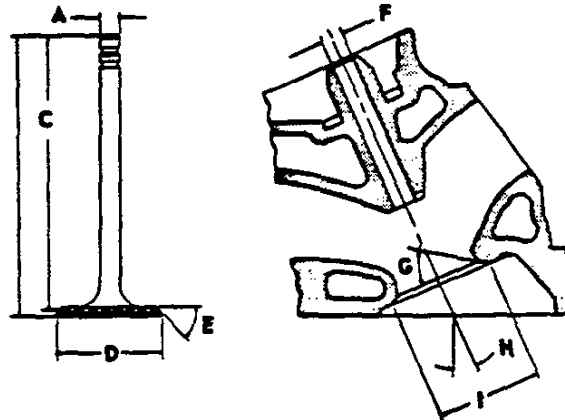
Material Alloy steel
 Coating
 L6-250 Cu. In. Aluminized face
 V8-307 & 350 Cu. In. None
 V8-402 & 454 Cu. In. Face and head aluminized
 Valve Guide Inserts (V8-402 & 454) .. Cast alloy iron



A - Stem Diameter	
L6-250 Cu. In. ....	.3410-.3417
V8-307 & 350 Cu. In. ....	.3410-.3417
V8-402 & 454 Cu. In. ....	.3715-.3722
B - Overall Length	
L6-250 Cu. In.	4.902-4.922
V8-307 Cu. In.	4.902-4.922
V8-350 Cu. In.	4.870-4.889
V8-402 & 454 Cu. In.	5.215-5.235
C - Gage Length	
L6-250 Cu. In.	4.785-4.795
V8-307 & 350 Cu. In.	4.785-4.795
V8-402 & 454 Cu. In.	5.115-5.125
D - Overall Head Diameter	
L6-250 Cu. In.	1.715-1.725
V8-307 Cu. In.	1.715-1.725
V8-350 Cu. In.	1.935-1.945
V8-402 & 454 Cu. In.	2.060-2.070
E - Angle of Face	45°
F - Guide Diameter	
L6-250 Cu. In. ....	.3427-.3437
V8-307 & 350 Cu. In. ....	.3427-.3437
V8-402 & 454 Cu. In. ....	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu. In.	9°
V8-307 & 350 Cu. In.	23°
V8-402 & 454 Cu. In.	4°
I - Valve Seat (cutter) Diameter	
L6-250 Cu. In.	1.770-1.790
V8-307 Cu. In.	1.770-1.790
V8-350 Cu. In.	1.990-2.010
V8-402 & 454 Cu. In.	2.150

EXHAUST VALVES

Material High alloy steel
 Coating
 L6-250 Cu. In. Aluminized face
 V8-307 & 350 Cu. In. Aluminized face
 V8-402 & 454 Cu. In. Face and head aluminized
 Valve Guide Inserts (V8-402 & 454) . Cast alloy iron



A - Stem Diameter	
L6-250 Cu. In. ....	.3410-.3417
V8-307 & 350 Cu. In. ....	.3410-.3417
V8-402 & 454 Cu. In. ....	.3713-.3720
B - Overall Length	
L6-250 Cu. In.	4.913-4.933
V8-307 & 350 Cu. In.	4.913-4.933
V8-402 Cu. In.	5.345-5.365
V8-454 Cu. In.	5.345-5.365
C - Gage Length	
L6-250 Cu. In.	4.781-4.791
V8-307 & 350 Cu. In.	4.781-4.791
V8-402 & 454 Cu. In.	5.235-5.245
D - Overall Head Diameter	
L6-250 Cu. In.	1.495-1.505
V8-307 & 350 Cu. In.	1.495-1.505
V8-402 Cu. In.	1.715-1.725
V8-454 Cu. In.	1.715-1.725
E - Angle of Face	45°
F - Guide Diameter	
L6-250 Cu. In. ....	.3427-.3437
V8-307 & 350 Cu. In. ....	.3427-.3437
V8-402 & 454 Cu. In. ....	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu. In.	9°
V8-307 & 350 Cu. In.	23°
V8-402 & 454 Cu. In.	4°
I - Valve Seat (cutter) Diameter	
L6-250 Cu. In.	1.550-1.570
V8-307 & 350 Cu. In.	1.550-1.570
V8-402 Cu. In.	1.625
V8-454 Cu. In.	1.625

PRINCIPAL COMPONENTS

VALVE LIFT

L6-250 Cu. In. ....	.3880 Inlet & Exhaust
V8-307 & 350 Cu. In. ....	.3900 Inlet; .4100 Exhaust
V8-402 Cu. In. (RPO LS3) ....	.3983 Inlet & Exhaust
V8-402 Cu. In. (RPO L34) .	.4614 Inlet; .4800 Exhaust
V8-454 Cu. In. ....	.4614 Inlet; .4800 Exhaust

VALVE TIMING (Crankshaft degrees)

L6-250 Cu. In.	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	16°	62°
Closes - ABC	48°	94°
Duration	244°	336°
Exhaust Valve (Zero lash)		
Opens - BBC	46°30'	92°30'
Closes - ATC	17°30'	63°30'
Duration	244°	336°
V8-307 & 350 Cu. In.		
Inlet Valve (Zero lash)		
Opens - BTC	28°	38°
Closes - ABC	72°	92°
Duration	280°	310°
Exhaust Valve (Zero lash)		
Opens - BBC	78°	88°
Closes - ATC	30°	52°
Duration	288°	320°
V8-402 Cu. In. (RPO LS3)		
Inlet Valve (Zero lash)		
Opens - BTC	28°	40°
Closes - ABC	78°	102°
Duration	286°	322°
Exhaust Valve (Zero lash)		
Opens - BBC	75°	87°
Closes - ATC	31°	55°
Duration	286°	322°
V8-402 (RPO L34) & 454 Cu. In.		
Inlet Valve (Zero lash)		
Opens - BTC		56°
Closes - ABC		114°
Duration		350°
Exhaust Valve (Zero lash)		
Opens - BBC		110°
Closes - ATC		62°
Duration		352°

PISTONS

Material	Cast aluminum alloy
Head Type	
L6-250 Cu. In.	Flat, notched
V8-350 Cu. In.	Flat, notched
V8-402 & 454 Cu. In.	Domed head, valve cutout
Skirt Type	
Slipper	
Top Land Clearance	
L6-250 Cu. In. ....	.0245-.0335
V8-307 Cu. In. ....	.0235-.0325
V8-350 Cu. In. ....	.0235-.0325
V8-402 & 454 Cu. In. ....	.0306-.0374
Skirt Clearance	
L6-250 Cu. In. ....	.0005-.0011
V8-307 Cu. In. ....	.0005-.0011
V8-350 Cu. In. ....	.0007-.0013
V8-402 Cu. In. ....	.0018-.0026
V8-454 Cu. In. ....	.0020-.0028
Compression Ring Groove Depth	
L6-250 Cu. In. ....	.2153-.2218
V8-307 Cu. In. ....	.2113-.2178
V8-350 Cu. In. ....	.2218-.2284
V8-402 Cu. In. ....	.2328-.2392
V8-454 Cu. In. ....	.2348-.2412
Oil Ring Groove Depth	
L6-250 Cu. In. ....	.2093-.2158
V8-307 Cu. In. ....	.2053-.2118
V8-350 Cu. In. ....	.2038-.2103
V8-402 & 454 Cu. In. ....	.2183-.2247
Pin Bore Offset .....	.055-.065
Compression Height	
L6-250 Cu. In.	1.658-1.662
V8-307 Cu. In.	1.673-1.677
V8-350 Cu. In.	1.558-1.562
V8-402 Cu. In.	1.940-1.944
V8-454 Cu. In.	1.691-1.699

PISTON PINS

Material	Chromium steel
Length	
L6-250 Cu. In.	2.990-3.010
V8-307 & 350 Cu. In.	2.990-3.010
V8-402 & 454 Cu. In.	2.930-2.950
Diameter	
L6-250 Cu. In. ....	.9270-.9273
V8-307 & 350 Cu. In. ....	.9270-.9273
V8-402 & 454 Cu. In. ....	.9895-.9893
Clearance in Piston	
L6-250 Cu. In. ....	.00015-.00025
V8-307 & 350 Cu. In. ....	.00015-.00025
V8-402 Cu. In. ....	.00025-.00035
V8-454 Cu. In. ....	.00030-.00040

PRINCIPAL COMPONENTS

COMPRESSION RINGS - UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	
L6-250 Cu.In.	Chrome plate face
V8-307 & 350 Cu.In.	Chrome plate face
V8-402 & 454 Cu. In.	Molybdenum inlay
Width	
L6-250 Cu.In.	.0628-.0633
V8-307 & 350 Cu.In.	.0775-.0780
V8-402 Cu.In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.196
V8-307 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
V8-402 Cu. In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	.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; 50 degrees for V8-396 & 400; 28-52 degrees for V8-454
Face	Tapered
Coating	
L6-250 Cu.In.	Wear resistant
V8-307 & 350 Cu.In.	Wear resistant
V8-402 & 454 Cu. In.	Chrome plated
Width	
L6-250 Cu.In.	.0623-.0633
V8-307 Cu.In.	.0770-.0780
V8-350 Cu.In.	.0770-.0775
V8-402 Cu. In.	.0770-.0780
V8-454 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-307 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
V8-402 Cu. In.	.196-.206
V8-454 Cu.In.	.202-.212
Gap	
L6-250 Cu.In.	.010-.020
V8-307 Cu.In.	.010-.020
V8-350 Cu.In.	.013-.025
V8-402 & 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
V8-307 & 350 Cu.In.	.1870-.1890
V8-402 & 454 Cu.In.	.1870-.1890
Wall Thickness	
L6-250 Cu.In.	.152-.158
V8-307 & 350 Cu.In.	.150-.156
V8-402 & 454 Cu.In.	.137-.143
Gap	
L6-250 Cu.In.	.015-.055
V8-307 & 350 Cu.In.	.015-.055
V8-402 & 454 Cu.In.	.010-.030
Rail Coatings	Chrome plated

CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
L6-250 Cu.In.	5.695-5.705
V8-307 & 350 Cu.In.	5.695-5.705
V8-402 & 454 Cu.In.	6.130-6.140

CONNECTING ROD BEARINGS

Material	
L6-250 & V8-307 Cu.In.	Copper lead alloy or sintered copper nickel backed babbitt on steel
V8-350 Cu.In.	Premium aluminum
V8-402 & 454 Cu.In.	Premium aluminum
Type	Precision removable
Clearance	
L6-250 Cu.In.	.0007-.0027
V8-307 & 350 Cu.In.	.0013-.0035
V8-402 & 454 Cu.In.	.0009-.0025
Theoretical I.D.	
L6-250 Cu.In.	2.0017
V8-307 & 350 Cu.In.	2.1019
V8-396, 400 & 454 Cu.In.	2.2012
Effective Length	
L6-250 Cu.In.	.807
V8-307 & 350 Cu.In.	.797
V8-402 & 454 Cu.In.	.847
End Play	
L6-250 Cu.In.	.009-.014
V8-307 & 350 Cu.In.	.008-.014
V8-402 & 454 Cu.In.	.015-.023

FUEL SYSTEM

FUEL TANK

Capacity (Gal)	
All models except S/Wagn.	20 (approximately)
Station Wagons	18.5 (approximately)
Fuel Tank Location	Behind rear axle
Filter Location	
Station Wagons & El Camino	Left rear quarter panel
Remaining Models	Behind hinged rear license plate

FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
In Carburetor Inlet	Paper (sintered bronze V8-307)

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
V8-307 Cu.In.	5.50-7.50 PSI at pump outlet
V8-350 & 396 Cu.In.	7.50-9.00 PSI at pump outlet
V8-400 & 454 Cu.In.	7.50-9.00 PSI at pump outlet

●AIR CLEANER

Type	
All engines except V8-402 Cu.In.(L34)	Cylindrical, single air horn
V8-402 Cu.In. (L34)	Full circle intake exposed element; chrome cover
Diameter	
L6-250 Cu.In.	12.62
V8-307 & 350 (L65) Cu.In.	12.62
V8-350 Cu.In. (L48)	15.48
V8-402 Cu.In. (L53)	15.48
V8-402 Cu.In. (L34)	14.16
V8-454 Cu.In.	15.48
Filter Element	Oil-wetted paper

CARBURETORS

Make and Type	
L6-250 Cu.In.	Rochester, 1-barrel, Monojet
V8-307 Cu.In.	Rochester, 2-bbl., downdraft
V8-350 Cu.In. (RPO L65)	Rochester, 2-bbl., downdraft
V8-350 Cu.In. (RPO L48)	Rochester, 4-bbl., Quadrajel
V8-396, 400 & 454 Cu.In.	Rochester, 4-bbl., Quadrajel

SAE Flange Type

L6-250 Cu.In.	1.50
V8-307 Cu.In.	1.25
V8-350 Cu.In.	1.50
V8-396 400 & 454 Cu.In.	1.50

Throttle Bore

L6-250 Cu.In.	1.69
V8-307 Cu.In.	1.44
V8-350 Cu.In. (RPO L65)	1.69
V8-350 Cu.In. (RPO L48)	

Primary	1.38
Secondary	2.25

V8-396 400 & 454 Cu.In.

Primary	1.38
Secondary	2.25

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

●Venturi Diameter

L6-250 Cu.In.	1.31
V8-307 Cu.In.	1.09
V8-350 Cu.In. (RPO L65)	1.25
V8-350 Cu.In. (RPO L48)	

Primary	1.04
Secondary625

V8-396, 400 & 454 Cu.In.

Primary	1.04
Secondary625

CHOKE

Type	Automatic
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EXHAUST AND VENTILATION SYSTEM

TYPE

L6-250 Cu.In.	Single
V8-307 & 350 Cu.In.	Single
	with crossover pipes
V8-402 & 454 Cu.In.	Dual
	with resonators

MUFFLERS

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

Head

L6-250 Cu.In. ....	.048 sheet steel, aluminized
V8-307 Cu.In. ....	.047 sheet steel, aluminized
V8-350 Cu.In. ....	.060 sheet steel, aluminized
V8-402 & 454 Cu.In.	

Left hand .....	.054 sheet steel, aluminized
Right hand .....	.060 stainless steel

Shell

L6-250 Cu.In. ....	.036 sheet steel, zinc coated
V8-307 Cu.In. ....	.035 sheet steel, zinc coated
V8-350 Cu.In. ....	.035 sheet steel, zinc coated
V8-402 & 454 Cu.In.	

Left hand .....	.036 sheet steel, zinc coated
Right hand .....	.036 stainless steel

Wrap030 indented asbestos sheet

Cover018 sheet steel, aluminized

Raffles

L6-250 Cu.In.	
No. 1 & 4 .....	.048 sheet steel, zinc coated
No. 2 & 3 .....	.036 sheet steel, zinc coated

V8-307 & 350 Cu.In.	
No. 1 & 4 .....	.047 sheet steel, zinc coated
No. 2 & 3 .....	.035 sheet steel, zinc coated

V8-402 & 454 Cu.In.	
Left hand	

No. 1 & 4 .....	.048 sheet steel, zinc coated
No. 2 & 3036 sheet steel, zinc coated

Right hand	
No. 1, 2, 3 & 4036 stainless steel

Length, Body

L6-250 Cu.In.	21.62
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V8-307, 350, 402 & 454 Cu.In.	21.25
------------------------------------	-------

Width (I.D.) 9.25

Height (I.D.) 5.00

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

Dimensions (O.D.) 2.00

Wall Thickness072-.092 laminated

EXHAUST PIPE

Dimensions (O.D.)

L6-250 Cu.In. 2.00

V8-307 Cu.In. 2.00

V8-350 Cu.In. 2.50

V8-402 & 454 Cu.In. 2.50

Wall Thickness

L6-250 Cu.In.057-.071

V8-307 Cu.In.072-.092 laminated

V8-350 Cu.In.072-.092 laminated

V8-402 & 454 Cu.In.072-.092 laminated

RESONATORS (V8-402 & 454 Cu.In. only)

Type Straight through

Cover042

Heads048

TAIL PIPES

Dimensions (O.D.)

L6-250 Cu.In. 1.875

V8-307 & 350 Cu.In. 1.875

V8-402 & 454 Cu.In. 2.00

Wall Thickness062-.076

EXHAUST EMISSION CONTROLS

Positive Crankcase Ventilation Utilizes
 manifold vacuum to draw off engine crankcase
 vapors through a metered PCV valve and ultimately
 to the intake system for engine reburn

Controlled Combustion System Increases
 combustion efficiency through leaner carburetor
 adjustments and revised distributor calibration

Transmission Controlled Spark Actually an
 expansion of the CCS system and basically retards
 engine spark advance by eliminating vacuum
 advance in all forward gears except Hi-gear.

SUPER CHEVY SHOWCASE



1970 CHEVELLE

By Bill Petriko

EDITOR'S NOTE: *Super Chevy Showcase* is a new special section for 1985—beginning with this issue. We will zero-in on many of the popular Chevs from years past. We may even pick more than one model per Showcase report. We have the facts and figures and in all reality, there are so many popular models that we could fill an entire issue! Unfortunately, time and space does not permit. We know what you readers like to read—therefore we are pleased no end to include *Super Chevy Showcase* as an all-new regular monthly addition to the pages of your favorite magazine, *Super Chevy*.

We begin this series with a report on the 1970 Chevelle—authored by good friend, Bill Petriko of Triple A Enterprises, P.O. Box 50522, Indianapolis, IN 46250. Triple A is the world's leader in exact reproduction factory new car window stickers. Need a window sticker showing all the options and prices on your Chevy? Contact Bill Petriko.

THE BASE price for a 1970 Malibu Sport Coupe was \$2809.00. The Malibu convertible listed for \$3062.00. For one of these figures you had the basis for one of the hottest street machines of the bygone performance era. Base engine for these models was the 200 hp 307 cubic-inch V-8. Also standard was a three-speed column shift transmission.

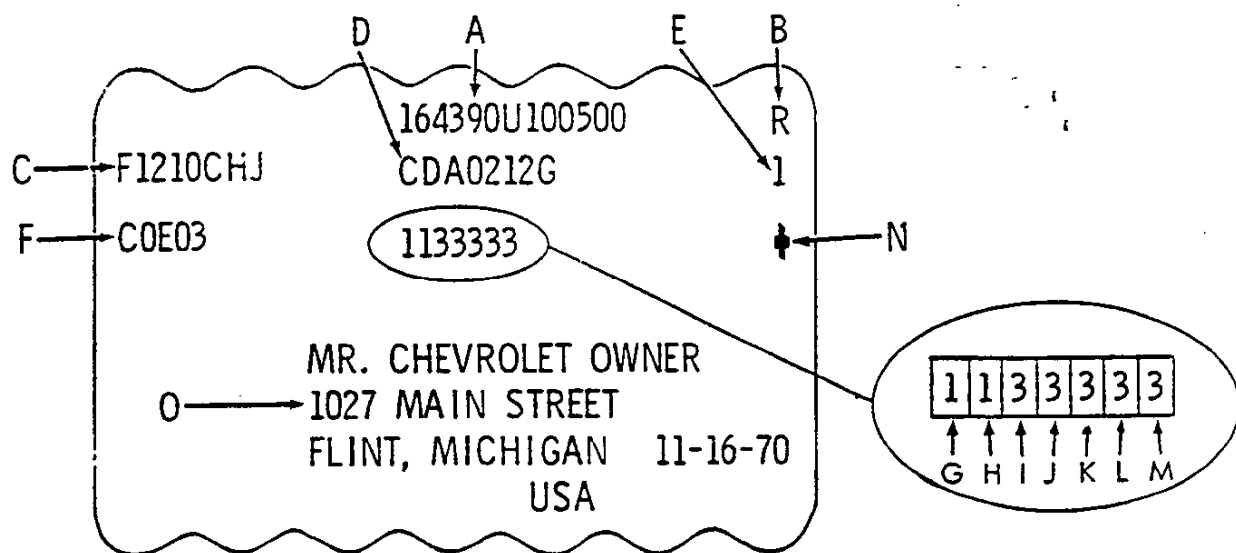
For an extra \$21.10, a buyer could specify the 250 hp 350 engine or \$68.50 brought the hp rating up to 300. Checking the LS3 option on the order blank gave you a 330 hp Turbo-Jet 400 (402) V-8. Transmission upgrades with any of these optional engines cost \$174.25 for the 2-speed Powerglide or \$200.65 for the 3-speed Turbo Hydramatic. Four-speed manuals (either close ratio or wide ratio) were going for \$184.80.

Performance options available for the base Malibu included Positraction rear axle for \$42.15, dual exhaust (250 and 300 hp engines only) which cost \$30.55. F40 special suspension (\$16.90) was available for all

Chevilles except SS models. F41 special performance suspension was available for cars equipped with 330-hp engines only. This suspension package was the same as in the SS option and cost \$29.50 with LS3 engine. Special instrumentation (tach, clock, ammeter and temperature gauges) were available for all V-8 sport coupes and convertibles. Cost for this option was \$84.30.

Options not performance related but still available for the performance-minded included A51 Strato bucket seats (bench seat standard in all models) for \$121.15, floor console for \$53.75 and ZJ7 rally wheels (standard SS) for \$35.85. Also available were F70x14 white letter tires (standard SS) for \$50.25.

Some of the more popular options for the '70 Chevelle included air conditioning (\$376.00), power steering (\$105.35), power disc brakes (\$64.25) which were standard on SS models, AM radio (\$61.10), AM/FM radio (\$133.80) and AM/FM stereo (\$372.85). The AM and AM/FM



READING THE CHEVROLET PROTECT-O-PLATE

The Chevrolet Protect-O-Plate furnished with all 1970 vehicles is imprinted at the plant with identifying information covering the majority of standard and RPO equipment. The exact type of engine, transmission, and rear axle with which a vehicle is equipped may be obtained from the plate, as well as month of vehicle production and basic vehicle identification. All passenger models, except Corvette, include information on major extra cost RPO equipment.

Information is stamped on the plate in two forms:

- 1) Production identification numbers, such as engine production code number, are explained elsewhere in this bulletin.
- 2) RPO numbers are coded with a single digit (Passenger, except Corvette).

The type of information available on the plate furnished with a given vehicle is shown in the following chart. The above sketch illustrates the location of the information on the plate.

INFORMATION AVAILABILITY CHART

<u>LOCATION</u>	<u>DESCRIPTION</u>	<u>PASSENGER</u>	<u>CORVETTE</u>	<u>TRUCK</u>
A	Vehicle Identification No.	X	X	X
B	Carburetor Source Code	X	X	X
C	Engine Number	X	X	X
D	Rear Axle Number	X	X	X
E	Vehicle Build Month Code	X	X	X
F	Transmission Number	X	X	X
G	Power Steering	X		
H	Power Brakes	X		
I	Radio Code	X		
J	Disc Brake Code	X		
K	Air Conditioning	X		
L	Power Window Code	X		
M	Power Seat Code	X		
N	Chevrolet Trade Mark	X	X	X
O	Dealer Supplied Owner Information as Shown in Policy and Procedures Manual			

The following charts explain codes used on Chevrolet plates instead of RPO numbers. Note that general option headings are also related to the location of that option on the Protect-O-Plate.

<u>LOCATION</u>	<u>OPTION</u>	<u>RPO</u>	<u>CODE</u>
G	Power Steering	N-40	1
H	Power Brakes	J-50	1
I	Radio	U-63	3
I	Radio - FM/AM	U-69	3
I	Radio - Stereo	U-79	3
I	Radio - Auxiliary Speaker	U-80	3
J	Disc Brakes	J-L2	3
K	Air Conditioning	C-60	1
K	Comfortron	C-75	3
L	Power Windows	A-31	3
M	Power Seat	A-42	3

LOCATION B - CARBURETOR SOURCELOCATION E - MONTH OF VEHICLE BUILD

<u>CODE</u>	<u>PLANT</u>	<u>CODE</u>	<u>PLANT</u>	<u>MONTH</u>	<u>CODE</u>	<u>MONTH</u>	<u>CODE</u>
B	Bay City	H	Holley	Aug., 1969	8	Feb., 1970	2
C	Carter	R	Rochester	Sept., 1969	9	Mar., 1970	3
				Oct., 1969	0	Apr., 1970	4
				Nov., 1969	N	May, 1970	5
				Dec., 1969	D	June, 1970	6
				Jan., 1970	1	July, 1970	7

When trucks built at GMC Truck and Coach are equipped with Stromberg Carburetors or Diesel Injectors, this space will be blank.

1970 Chevelle

Malibu	V8	6
Sport Coupe	13637*	13537
Sport Sedan	13639	13539
Convertible	13667*	13567
4-Door Sedan	13669	13569

*SS 396 equipment available (RPO Z25)

Index

Malibu Features	2
Malibu Sport Coupe	4
SS 396 Sport Coupe	5
Malibu Sport Sedan	6
Malibu 4-Door Sedan	7
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- New Chevelle features for 1970 . . .
- New front styling with new grille, hood, and fenders
- New outer body panels
- New rear styling with taillights and back-up lights built into rear bumper
- New front and rear bumpers
- New side marker lights front and rear
- New interior trim styling
- New interior color choices
- New instrument panel and instrument cluster design
- New side-guard beam door structure
- New larger, more powerful standard six
- New big-inch V8 available for Malibu models (330-hp Turbo-Jet 400)
- New higher-output engine included with SS 396 equipment
- New transmission-controlled spark advance contributes to smoother acceleration and improved exhaust emission control
- New slim-line spark plugs for six and Turbo-Jet V8 engines
- New CowI Induction Hood available for SS 396
- New Sport Stripes available for SS 396 hood and rear deck
- New lower profile fiberglass-belted tires with 14" wheels standard equipment (F70 x 14 design retained with SS 396)

- New oval-shaped rear suspension lower control arm rubber bushing (except SS 396) contributes to a smoother, quieter ride
- Variable-ratio power steering now available for all models
- New finned rear brake drums for improved brake cooling (finned front drums continued except with disc brakes)

Safety and security features

- Occupant Protection Features
 - Seat belts with pushbutton buckles for all passenger positions
 - Shoulder belts with pushbutton buckles —driver and right front passenger (except Convertible)
 - Two front seat head restraints
 - Energy-absorbing steering column
 - Passenger-guard door locks with forward-mounted front door lock buttons
 - Safety door latches and hinges
 - Folding seat back latches
 - Energy-absorbing padded instrument panel and front seat back tops
 - Contoured windshield header (except Convertible)
 - Thick-laminate windshield
 - Padded sun visors
 - Safety armrests
 - Safety steering wheel

- Side-guard beam door structure
- Cargo-guard luggage compartment

Accident Prevention Features

- Side marker lights and reflectors
- Parking lights that illuminate with headlights
- Four-way hazard warning flasher
- Back-up lights
- Lane-change feature in direction signal control
- Windshield defroster, washers and dual-speed wipers
- Wide-view inside day-night mirror (vinyl-edged, shatter-resistant glass and deflecting support)
- Outside rearview mirror
- Fiberglass-belted tires and tire tread wear indicators
- Dual master cylinder brake system with warning light
- Starter safety switch
- Dual-action safety hood latches

Anti-Theft Features

- Anti-theft ignition key warning buzzer
- Anti-theft steering column lock

Traditional quality features . . .

- Astro Ventilation system (Sport Coupe and Convertible models) with vent-ports on instrument panel and full door-glass styling

- Foot-operated parking brake
- Suspended accelerator pedal
- Efficient valve-in-head engine design
- Quiet hydraulic valve lifters
- Positive-shift starter
- Energizer-type battery
- Automatic choke on all engines
- Advanced accessory drive system on all V8 engines
- Delcotron generator
- 7-main bearing six-cylinder engine with fully counterweighted crankshaft
- Magic-Mirror acrylic lacquer finish
- Hide-A-Way windshield wipers
- Flush-and-dry rocker panels
- Curved side windows
- Built-in blended air heater and defroster system
- Inner fenders front and rear
- 112" wheelbase for Sport Coupe and Convertible—116" wheelbase for Sedans
- Full Coil suspension with computer-selected springs
- Separate perimeter-type frame
- Advanced body mounting system
- Self-adjusting brakes
- Precise Ball-Race steering



Malibu all-vinyl interior—standard on Convertible; available on all other models.



All-vinyl Strato-bucket seats (RPO A51)—available for Sport Coupe and Convertible only. Available with or without console (RPO D55).

Interior Trim •

models	seat style	Black cloth vinyl	Blue cloth vinyl	Gold cloth vinyl	Green cloth vinyl	Ivory vinyl	Red vinyl	Saddle vinyl	Turquoise cloth
Malibu Sport Coupe	conventional	753	762	776	782	790	787	770	
	Strato-bucket (RPO A51)	756			796	791	788	771	
Malibu Sport Sedan	conventional	753	762	776	782				779
Malibu 4-Door Sedan	conventional	753	762	776	782	790	787	770	
	conventional		764						
Malibu Convertible	Strato-bucket (RPO A51)	756	785			791	788	771	

Exterior Colors

	code								
Gobi Beige	50	•		•				•	
Tuxedo Black	19	•		•			•		•
Astro Blue	25	•	•						
Fathom Blue	28	•	•						
Black Cherry	78	•					•		
Desert Sand	63	•							
Champaigne Gold	55	•		•					
Autumn Gold	58	•		•					
Green Mist	45	•			•				
Forest Green	48	•		•					
Cranberry Red	75	•					•		
Cortez Silver	14	•	•						•
Shadow Grey	17	•			•				
Misty Turquoise	34	•							•
Classic White	10	•	•	•	•	•	•	•	•

Two-tone Combinations

lower color	code	upper color	code						
Astro Blue	25	Fathom Blue	28	•					
Astro Blue	25	Classic White	10	•					
Fathom Blue	28	Astro Blue	25		•				
Champaigne Gold	55	Classic White	10		•				•
Autumn Gold	58	Classic White	10		•				•
Desert Sand	63	Classic White	10		•				•
Misty Turquoise	34	Classic White	10		•				•

12 / Chevelle color and trim

Vinyl Roof Cover Color Choices (RPO C08)

vinyl roof color	code	exterior color availability
White	AA	all exterior colors
Black	BB	all exterior colors
Dark Blue	CC	Astro Blue, Fathom Blue, Cortez Silver, Classic White
Dark Green	GG	Green Mist, Forest Green, Classic White
Dark Gold	HH	Champagne Gold, Autumn Gold, Gobi Beige

Convertible Top Colors

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

Seat and Shoulder Belt Colors

interior trim color	standard style belts	custom deluxe belts*
Black	Black	Black
Blue	Dark Blue	Dark Blue
Gold	Medium Gold	Medium Gold
Green	Dark Green	Dark Green
Ivory	Black	Black
Red	Black	Medium Red
Saddle	Black	Medium Saddle
Turquoise	Black	Dark Turquoise

*Available at extra cost. Note: Standard seat and shoulder belt buckles color-keyed; custom deluxe buckles brush-finished.

Sport Stripes Colors (RPO D88)—SS only

exterior color	SS Coupe with vinyl roof cover				SS Convertible		
	SS Coupe without vinyl roof cover	SS Coupe with vinyl roof cover	Dark Green	Dark Blue	Dark Gold	White top	Black top
Gobi Beige	Black	White	Black	Black	Black	White	Black
Tuxedo Black	White	White	Black	Black	Black	White	White
Astro Blue	Black	White	Black	Black	Black	White	Black
Fathom Blue	White	White	White	White	Black	White	White
Black Cherry	White	White	White	White	Black	White	White
Desert Sand	Black	White	Black	Black	Black	White	Black
Champagne Gold	Black	White	Black	Black	Black	White	Black
Autumn Gold	Black	White	Black	Black	Black	White	Black
Green Mist	Black	White	Black	Black	Black	White	Black
Forest Green	White	White	White	White	Black	White	White
Cranberry Red	Black	White	Black	Black	Black	White	Black
Cortez Silver	Black	White	Black	Black	Black	White	Black
Shadow Gray	Black	White	Black	Black	Black	White	Black
Misty Turquoise	Black	White	Black	Black	Black	White	Black
Classic White	Black	White	Black	Black	Black	White	Black

Note: Two-tone models have white stripes except Astro Blue (lower) and Fathom Blue (upper) combination which has black stripes

Engines, Transmissions and Axle Ratios

engines	transmissions and rear axle ratios							
	3-Speed (2.85:1 low)	3-Speed (2.54:1 low)	4-Speed (2.85:1 low)	4-Speed (2.54:1 low)	4-Speed (2.52:1 low)	4-Speed (2.20:1 low)	Powerglide	Turbo Hydra-matic
Standard six 155-hp Turbo-Thrift 250 Six	3.08						3.08	2.73
Standard V8 200-hp Turbo-Fire 307 V8	3.08		3.36				3.08	2.73
(RPO L65) 250-hp Turbo-Fire 350 V8		3.08		3.36			2.73	2.56
(RPO L48) 300-hp Turbo-Fire 350 V8					3.31		2.73	2.73
(RPO LS3) 330-hp Turbo-Jet 400 V8					3.31			3.31
350-hp Turbo-Jet 396 V8 (Included with SS 396 RPO Z25)					3.31		3.31	3.31
360-hp Turbo-Jet 454 V8 (Included with SS 454 RPO Z15)					3.31		3.31	3.31

Note: Positraction rear axle available in all axle ratios.

Equipment Included With Optional* V8 Engines

Important equipment is included with optional* V8 engines, supplementing or replacing equipment included with the standard V8. Other specialized equipment is also available.

	250-hp 350	300-hp 350	330-hp 400	350-hp 396	360-hp 454
Special front and rear springs	•				
Heavier duty front and rear shock absorbers				•	•
Heavier front stabilizer bar				•	•
Rear suspension frame reinforcement				•	•
Ring gear—8.875" dia.		•†			•
Single exhaust (2½-in. dia.)	•	•	•	•	•
Dual exhaust (2½-in. dia.)	•	•	•	•	•
Heavier duty clutch	•	•	•	•	•
F78 x 14 tires	•(a)		•(a)		
Wide-oval F70 x 14 white lettered tires with 14" x 7" wheels				•	•
61-ampere-hour battery	•		•	•	•
High-flow air cleaner				•	•
Higher performance starting motor	•		•	•	•
Special chrome accents on engine*				•	•
Deep cover fuel pump and vapor return line to fuel tank				•	•

(a)F78 x 14 tires standard on Malibu Sport Sedan and Convertible models. *Optional at extra cost.
†Except Powerglide. •Chrome-finish air cleaner, valve rocker covers and oil filler cap.

Transmissions

	engine	transmission gear ratios (:1)				shift selector locations				
		1	2	3	4	R	column	floor	console*	
3-Speed Fully Synchronized (Standard)	155-hp Six	2.85	1.68	1.00		2.95				
	200-hp V8	2.54	1.50	1.00		2.63				
	250-hp V8	2.85	2.02	1.35	1.00	2.85				
	200-hp V8	2.54	1.80	1.44	1.00	2.54				
	300-hp V8	2.52	1.88	1.46	1.00	2.59				
4-Speed Fully Synchronized (RPO M20)	330-hp V8									
	350-hp V8									
4-Speed Fully Synchronized (RPO M21)	350-hp V8	2.20	1.64	1.27	1.00	2.26				
	360-hp V8									
Powerglide (RPO M35)	155-hp Six	Drive (maximum)—3.83:1 to 1:1 Low and reverse—3.82:1 to 1.82:1								
	200-hp V8	Drive (maximum)—3.70:1 to 1:1 Low and reverse—3.70:1 to 1.76:1								
	300-hp V8	Drive (maximum)—5.29:1 to 1:1 Low 2—5.29:1 to 1.52:1 Low 1—5.29:1 to 2.52:1 Reverse—4.05:1 to 1.93:1								
Turbo Hydra-matic (RPO M40)	155-hp Six	Drive (maximum)—5.21:1 to 1:1 Low 2—5.21:1 to 1.48:1 Low 1—5.21:1 to 2.48:1 Reverse—4.37:1 to 2.08:1								
	200-hp V8									
	250-hp V8									
	300-hp V8									

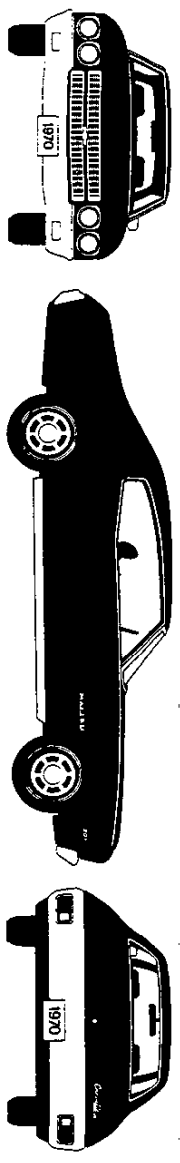
*Optional at extra cost

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

Clutch Type	155-hp Six				200-hp V8				250-hp V8				300-hp V8				330-hp V8				350- & 360-hp V8			
	3-Speed	3-Speed	3-Speed	4-Speed	3-Speed	3-Speed	3-Speed	4-Speed	3- & 4-Speed	3- & 4-Speed	3- & 4-Speed	4-Speed	4-Speed	4-Speed	4-Speed	4-Speed	4-Speed	4-Speed	4-Speed	4-Speed	4-Speed	4-Speed		
Disc facing material	woven asbestos																							
Disc facing outside diameter	9.12"																							
Disc facing total area (sq. in.)	71.82																							
Spring effective plate load (lbs.)	1650-1850				1900-2200*				2100-2300				2450-2750				2100-2300 with 4-speed							

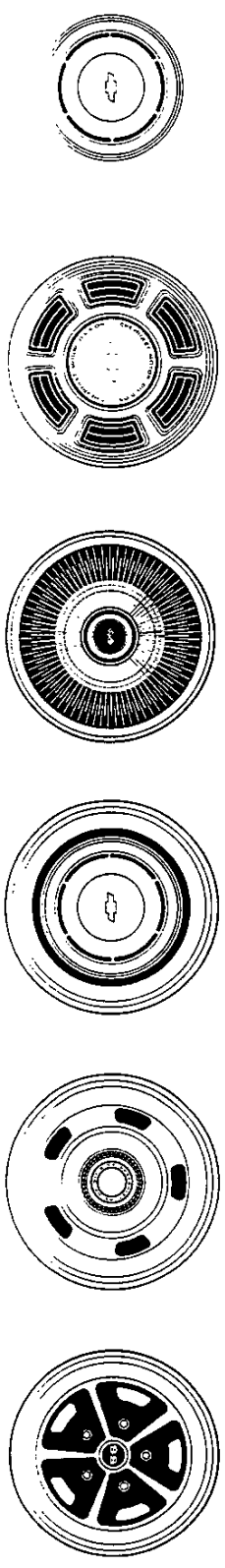
*Optional at extra cost

MALIBU



SS
333B

SS
454



- Malibu standard hub cap
- Full Wheel Cover (RPO PO1)—not available with SS
- Special Wheel Cover (RPO PO2)—not available with SS
- Wheel Trim Ring (RPO PO6) for use with standard hub cap—not available with SS
- Rally Wheel (RPO ZU7)—not available with SS
- Sport Wheel—Included with SS equipment

16 / Chevelle exterior features

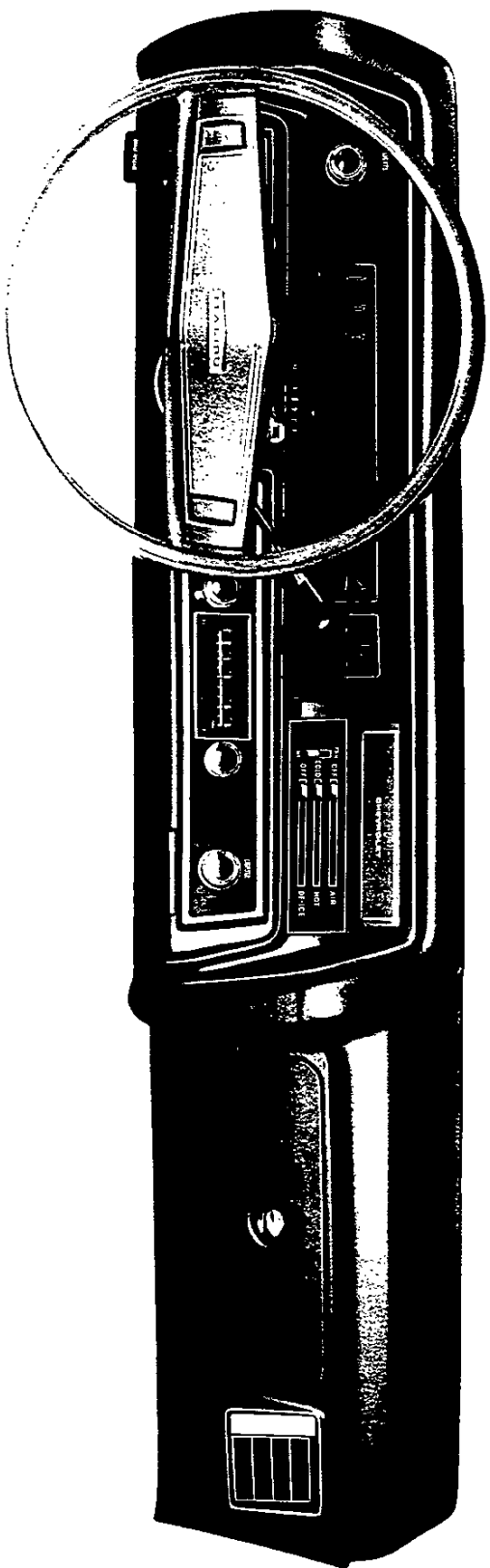
Chevelle Exterior Features

	Malibu	SS
Silver-finish grille with bright center bar	•	
Black-accented grille with SS emblem		•
Special domed hood		•
Bright grille outline moldings	•	•
Windshield molding	•	•
Hood rear edge molding	•	•
Hide-A-Way windshield wipers	•	•
Amber lenses over parking/direction signal lights	•	
White lenses over parking/direction signal lights		•
Front fender engine emblem—V8 only	•	
Front fender nameplates—Malibu or SS	•	•
Full door-glass styling (Sport Coupe and Convertible only)	•	•
Rectangular outside rearview mirror	•	•
Bright roof drip moldings (except Convertible)	•	•
Side marker lights front and rear	•	•
Front fender peak and body belt moldings	•	
Wide body sill moldings	•	
Front and rear wheel opening moldings		•
Hub caps	•	
Sport wheels		•
Wide-oval white-lettered tires		•
Rear window molding (except Convertible)	•	•
Chevelle nameplate on deck lid	•	•
Bumper-mounted taillights with silver-finish accents	•	•
Black resilient rear bumper panel with SS emblem		•
Bright twin tailpipe extensions		•

Chevelle Interior Features

Oval steering wheel with horn tabs and Malibu nameplate	•	Malibu	•	SS
Black steering wheel and column with SS emblem	•		•	
Bright instrument cluster outline molding	•		•	
Special black-finish instrument panel and cluster	•		•	
Astro Ventilation vent-ports	(a)		•	
Automatic ignition key alarm	•		•	
Illuminated heater control panel	•		•	
Glove compartment lock and light	•		•	
Cigarette lighter	•		•	
Oil pressure, temperature, and generator warning lights	•		•	
Parking brake and brake system warning light	•		•	
Color-keyed turn signal and shift lever knobs	•		•	
Padded instrument panel and sun visors	•		•	

(a) Sport Coupe and Convertible only



Chevelle Interior Features

	Malibu	SS 396
Convenient T-handle parking brake release	•	•
Courtesy lights under instrument panel (Convertible only)	•	•
Suspended accelerator pedal	•	•
Foot-operated parking brake	•	•
Day-night rearview mirror	•	•
Scuff-resistant plastic cowl side panels	•	•
Color-accented window control handles	•	•
Armrests front and rear	•	•
Forward-mounted front door lock buttons	•	•
Pattern cloth and vinyl interior trim (except Convertible)	•	•
All-vinyl interior trim (standard on Convertible)	EC	EC
All-vinyl Strato-bucket seats (Sport Coupe and Convertible only)	EC	EC
Foam-cushioned front and rear seats—extra-thick in front	•	•
Color-keyed deep-twist carpeting	•	•
Center dome light (except Convertible)	•	•
Vinyl-coated luggage compartment mat	•	•

EC—Extra cost

Exterior Dimensions

	Sport Sedan	Sport Coupe	Malibu	Convertible	4-Door Sedan
Wheelbase	116.0	112.0		112.0	116.0
Length (overall)	201.2	197.2		197.2	201.2
Width (overall)	75.4	75.4		75.4	75.4
Height (loaded)	53.5	52.8		53.2	53.5
Front tread	59.8	59.8*		59.8*	59.8
Rear tread	59.8	59.8**		59.8**	59.8

*SS 396: 61.3 **SS 396: 60.3

Interior Roominess

Head room—front	38.1	37.5		38.3	38.4
Head room—rear	37.1	36.3		36.9	37.2
Leg room—front	42.8	42.8		42.8	42.8
Leg room—rear	34.9	32.3		32.3	35.0
Hip room—front	59.5	59.8		59.7	59.8
Hip room—rear	59.2	58.5		50.4	59.3
Shoulder room—front	58.4	58.2		58.2	58.2
Shoulder room—rear	57.2	56.9		47.9	57.4
Front entrance height	30.3	29.5		29.5	30.1
Rear entrance height	29.9	—		—	29.5

Luggage Compartment

Maximum opening width	48.5	48.5		48.5	48.5
Loading height	26.0	25.7		25.7	26.3
Interior length (max.)	49.0	49.0		49.0	49.0
Interior width (max.)	72.0	72.0		72.0	72.0
Interior height (max.)	18.0	18.0		18.0	18.0
Usable luggage space (cu. ft.)	14.6	14.6		8.5	14.6

Glass Area

	Sport Sedan	Sport Coupe	Malibu	Convertible	4-Door Sedan
Windshield glass area (sq. in.)	1249.6	1208.7		1211.8	1249.6
Rear window glass area (sq. in.)	1032.5	1059.4		539.7	1032.2
Total glass area (sq. in.)	3631.5	3602.1		3011.9	3472.8

Tire Size & Steering Specifications

Standard tire size—V8 —Six	F78 x 14* E78 x 14				
Turning circle—curb-to-curb (ft.)	42.2	42.2	42.2		42.2
Turning circle—wall-to-wall (ft.)	45.3	45.3	45.3		45.3
Steering ratio—std. (overall)	28.7:1				
Steering ratio—power (overall)	18.8:1 to 14.5:1				

*SS 396—F70 x 14

Fuel Capacity & Weight

Rated fuel tank capacity (gallons)	20				
Curb weight—Six (lbs.)	3405	3305		3345	3325
Curb weight—V8 (lbs.)	3515	3410		3455	3435
Shipping weight—Six (lbs.)	3300	3195		3245	3220
Shipping weight—V8 (lbs.)	3410	3305		3350	3330

Tire Revision Guide contains important

changes for your 1970 Chevrolet Sales Album and should be kept in the front of your album for quick reference. The following pages have been revised and replace those currently in your album:

Chevelle—pages 13, 14, 15 and 16

Wagons—pages 21 and 22

Custom Features—pages 13 and 14

Options - pages 15 through 29

Technical Details—pages 1 through 15

Special Features—pages 1 through 4

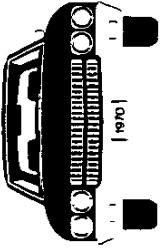
The new Camaro and Corvette pages are included and should be placed in their respective sections.

Changes affecting pages not reprinted are covered in the following Revision Summary . . .

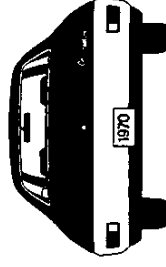
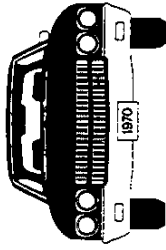
Revision Summary

	Chevrolet	Chevelle	Camaro
page	2	1	2
	<i>Chevrolet features.</i> "Fiberglass-belted tires and tire tread indicators" should read: "Bias belted ply tires with tire tread indicators."	<i>Chevelle models and index.</i> Under "SS 396 equipment available (RPO Z26)" add: "SS 454 equipment available (RPO Z15)."	<i>New Camaro features for 1970.</i> "E78 x 14 bias belted ply tires" should read: "Bias belted ply tires."
page	19	2	20
	<i>Chevrolet color and trim.</i> Vinyl roof cover color choices chart. White vinyl roof cover is now available with all exterior colors.	<i>Chevelle features.</i> "Fiberglass-belted tires and tire tread indicators" should read: "Bias belted ply tires with tire tread indicators."	<i>Camaro interior features.</i> Column headed "Special Interior Group RPO Z23" should read: "Interior Accent Group RPO Z23."
page	2	19	21
	<i>Monte Carlo</i>	<i>Chevelle interior features.</i> Column headed: "SS 396" should read: "SS."	<i>Camaro interior features.</i> Column headed "Special Interior Group RPO Z23" should read: "Interior Accent Group RPO Z23."
page	2	20	2
	<i>Monte Carlo features.</i> "Fiberglass-belted tires and tire tread indicators" should read: "Bias belted ply tires and tire tread indicators."	<i>Chevelle specifications.</i> Exterior dimension chart. "SS 396: 61.3" should read: "SS: 61.3" "SS 396: 60.3" should read: "SS: 60.3" "Interior roominess chart. "Hip room—front" should be: 59.8" "Shoulder room—front" should be: "58.2"	<i>Chevy Nova</i>
page	16	21	13
	<i>Monte Carlo specifications.</i> Exterior dimensions chart. Change "Front tread 60.2" to: 60.3"	<i>Chevelle specifications.</i> Tire size and steering specifications chart. "SS 396—F70 x 14" should read: "SS -F70 x 14."	<i>Nova color and trim.</i> Vinyl roof cover color choices chart. White vinyl roof cover is now available with all exterior colors.
page		2	
		<i>Chevrolet Wagon features.</i> "Fiberglass-belted tires and tire tread indicators" should read: "Bias belted ply tires with tire tread indicators."	

Chevelle Sport Coupe



Chevelle 4-Door Sedan



A new standard quality series has been added to the 1970 Chevelle model line. No series name is used; the new models are simply designated "Chevelle." Two body styles are included—a Sport Coupe, and a 4-Door Sedan.

Interior—comparable to Malibu except as follows:

- Door sidewalls—equivalent to Greenbrier Station Wagon.
- Seats—equivalent to Greenbrier Station Wagon except cloth cushion and backrest inserts standard (pattern identical to Nova standard cloth—in Black, Medium Blue and Dark Green); Black all-vinyl interior, identical to Greenbrier, available at extra cost.

- Sunshades—padded narrow type (no provision for securing inboard end).
- Rearview mirror support—hookless type (no provision for securing inboard end of sunshades).
- Floor covering—color-keyed rubber.
- Steering wheel emblem (same as Greenbrier).
- Glove compartment light deleted.
- Luggage compartment mat deleted.

Exterior—comparable to Malibu except as follows:

- Bright moldings deleted; grille moldings, body sill moldings, body belt and fender peak moldings, and roof drip moldings.
- Nameplates and emblems deleted: grille emblem, front fender series nameplate, and standard V8 engine emblem.
- Windshield wipers—exposed in park position; bright windshield reveal molding with narrow lower section.
- Taillights—silver finish accents deleted.



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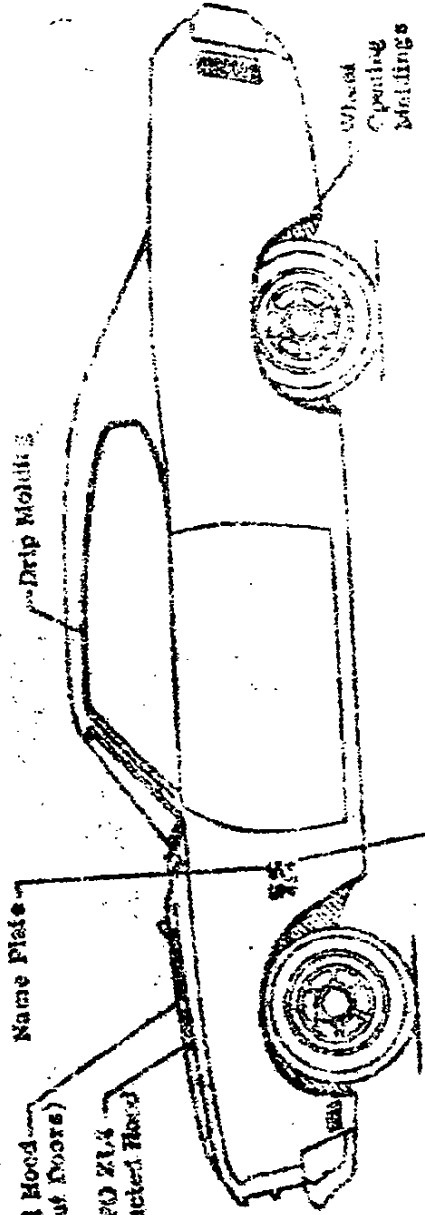
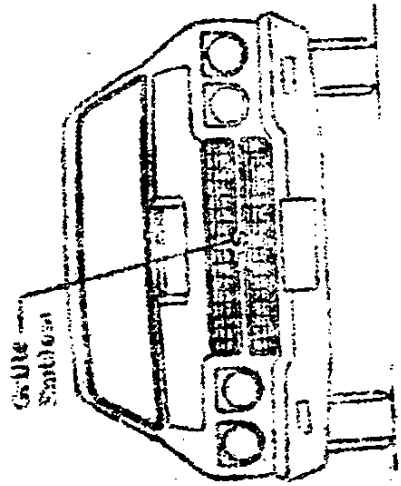
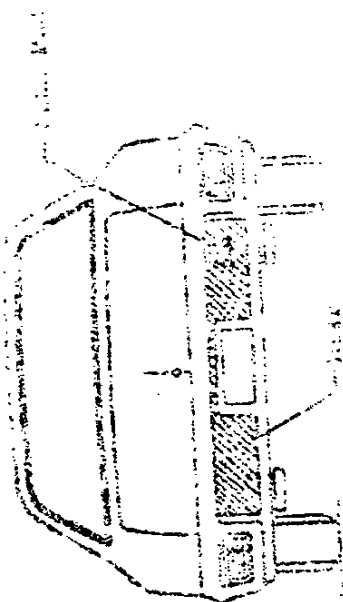
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GENERAL MOTORS CORPORATION
 CHEVROLET MOTOR DIVISION



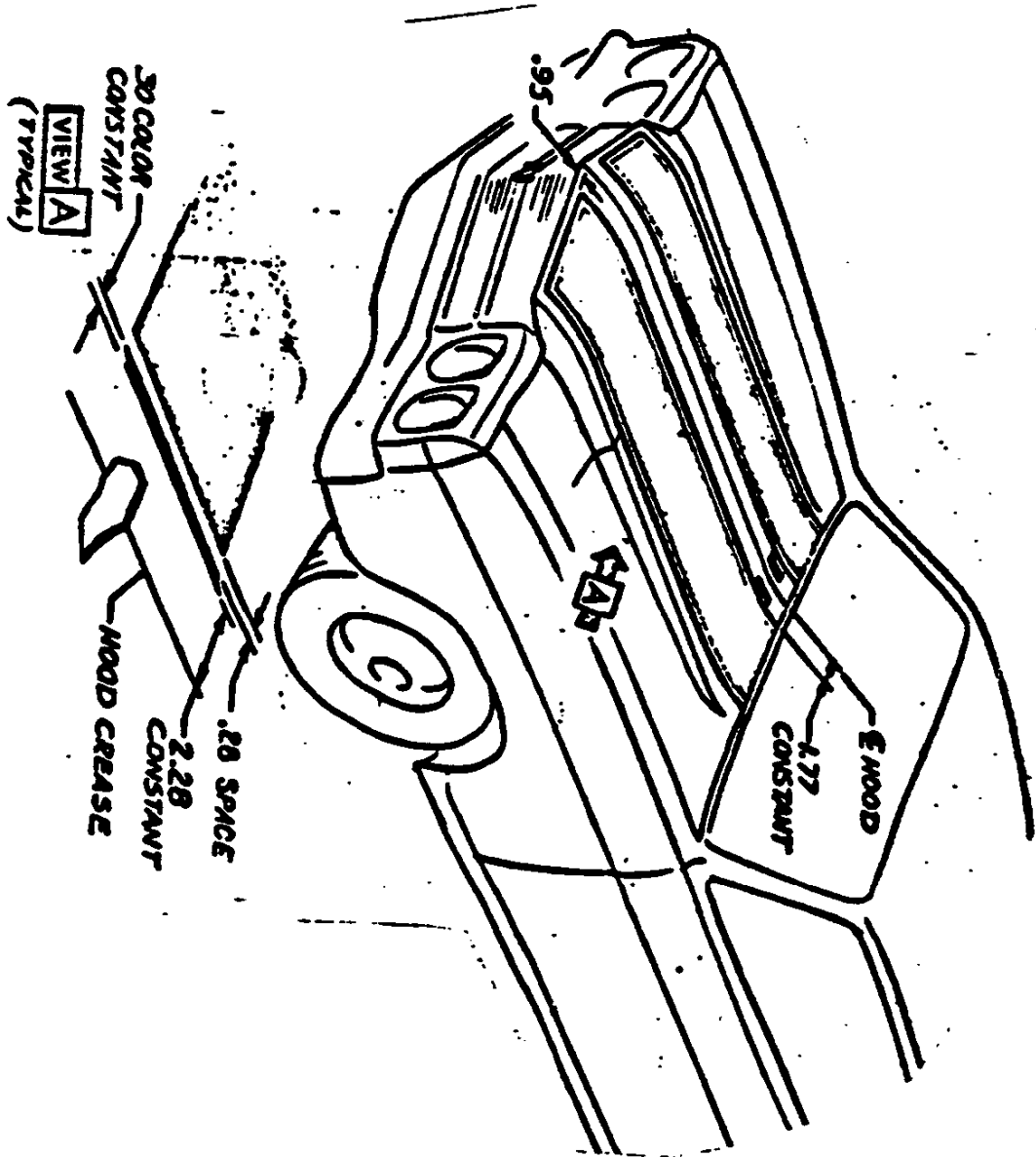
Engine Identification
 484 V-6

1970 CHEVROLET "A" SERIES 190510

REFERIOR FROM ORGANIZATION

DATE	TIME	REVISION REQUIRED	INITIALS	OR	BY

8-24-69
 884 V-6
 484 V-6



CHEVELLE AND MALIBU SEDANS, COUPES AND CONVERTIBLES

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Dealer Invoice Amount	Dealer Price	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price [⊕]
POWER TEAMS						
(See Power Teams Chart for availability and complete engine specifications)						
Engines: V8 models only.						
250-hp Turbo-Fire 350 (For regular grade fuel)	L65					\$ 21.10
300-hp Turbo-Fire 350	L48					68.50
330-hp Turbo-Jet 400	LS3					162.20
Transmissions:						
<i>Powerglide</i>						
6-Cyl models	M35					163.70
V8 models	M35					174.25
<i>Turbo Hydra-matic</i>						
6-Cyl models	M40					190.10
V8 models						
With standard, 250-hp or 300-hp engine	M40					200.65
With 330-hp, 350-hp SS 396 or 360-hp SS 454 engine	M40					221.80
With 450-hp SS 454 engine	M40					290.40
4-Speed Wide-Range	M20					184.80
4-Speed Close-Ratio	M21					184.80
Special 4-Speed Close-Ratio	M22					221.80
Axle, Positraction Rear	G80					42.15
Axle Ratios:						
<i>Performance Ratio.</i>						
With standard engine. V8 models with Turbo Hydra-matic transmission only	ZQ9					10.55
With 450-hp engine. Available only when Positraction axle is ordered. Includes HD radiator.	ZQ9					25.30
<i>Trailering Ratio.</i> Available only when standard, 250-hp, 300-hp or 330-hp engine with special suspension and Turbo Hydra-matic transmission are ordered.	YD1					10.55
POWER ASSISTS						
Brakes, Power:						
With drum-type brakes. Not available when SS Package is ordered	J50					42.15
With disc-type front brakes. Included when SS Package is ordered	JL2					64.25
Door Lock System, Power: Electric						
Coupe or Convertible models	AU3					44.80
Sedan models	AU3					68.50
Seat Back Latch, Automatic: Electric. Coupe or Convertible models only. Available only when power door lock system is ordered						
	AQ2					23.70
Steering Power: Variable ratio	N40					105.35
Windows, Power: Electric. Malibu models only	A31					105.35
OTHER OPTIONS						
Air Conditioning, Four-Season: V8 models only. Not available when 450-hp engine is ordered. Includes 61-amp generator and HD radiator						
	C60					376.00
Battery, Heavy-Duty: 15-plate, 80-amp-hr	T60					15.80
Belts, Seat and Shoulder: In addition to or replacing standard belts						
<i>CUSTOM DELUXE BELTS;</i> (Replacing standard number of belts)						
Coupe or Sedan models with bench seat—6 seat and 2 shoulder	AK1					13.70
Coupe models with bucket seats—5 seat and 2 shoulder	AK1					12.15
Convertible models with bench seat—6 seat	A39					10.55
Convertible models with bucket seats—5 seat	A39					9.00
SHOULDER BELTS—2 FRONT; Convertible models only. For use when Custom Deluxe Belts are ordered						
	A85					26.35
SHOULDER BELTS—2 REAR; (Convertible models require use of front shoulder belt option). For use when Custom Deluxe Belts are ordered						
	AS4					26.35

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

⊕ State and local taxes not included.

➔ Indicates Change

CHEVELLE AND MALIBU SEDANS, COUPES AND CONVERTIBLES

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price [⊙]
Console: Available only on Malibu Sport Coupe or Convertible models when bucket seats and optional transmission are ordered. Includes rear seat courtesy light and compartment. Shift lever is mounted on console.	D55					\$53.75
Emission Control, Evaporative: Released to conform with State of California registration requirements.	NA9					36.90
Exhausts, Dual: Available only when 250-hp or 300-hp engine is ordered. Included when 330-hp engine or SS Package is ordered.	N10					30.55
Generator: 63-amp Delcotron. Not available when 450-hp engine is ordered.						
Without air conditioning	K85					26.35
With air conditioning	K85					5.30
Glass, Soft-Ray Tinted: All windows.	A01					36.90
Heater, Engine Block	K05					10.55
Hood, "Cowl Induction": Available only when SS Package is ordered. Includes sport striping on hood and rear deck, hood locking pins, air intake valve at rear of hood and hood to air cleaner duct.	ZL2					147.45
Instrumentation, Special: Available on V8 Coupe or Convertible models only. Includes clock, tachometer, ammeter and temperature gauges mounted in instrument panel.	U14					84.30
Light Monitoring System: (Vigilite).	U46					26.35
→ Lighting, Auxiliary:						
(A) Ashtray Light						
(B) Courtesy Lights						
(C) Glove Compartment Light						
(D) Luggage Compartment Light						
(E) Mirror Map Light						
(F) Underhood Light						
For Malibu Convertible models—Includes A, D, E & F	Z19					15.80
For Malibu Sedan or Sport Coupe models—Includes A, B, D, E & F	Z19					20.05
For Chevelle Sedan or Coupe models—Includes A, B, C, D, E & F	Z19					22.65
Moldings, Window: 4-Door Sedan models only.	B90					26.35
Paints, Exterior:						
Solid color						N.C.
Two-tone combination. Coupe and Sedan models only. Includes bright metal outline moldings.						23.20
Radiator, Heavy-Duty: Included when air conditioning or performance radio with 450-hp engine is ordered.	V01					14.75
Radio Equipment:						
<i>Pushbutton—Includes concealed windshield antenna</i>						
AM Radio	U63					61.10
AM/FM Radio	U69					133.80
AM/FM/Stereo Radio	U79					239.10
Stereo Tape System with AM Radio	UM1					194.85
Stereo Tape System with AM/FM/Stereo Radio	UM2					372.85
Speaker, Rear Seat —Not available when stereo is ordered.	U80					13.20

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⊙ State and local taxes not included.

→ Indicates Change

CHEVELLE AND MALIBU SEDAN, COUPE AND CONVERTIBLE TIRES

BASE TIRE CHART

Models		Base Tires	Included with SS Package
6-Cyl.	V8		
→ 13337	—	E78-14/B Bias Belted Ply Blackwall	—
→ 13369	—	E78-14/B Bias Belted Ply Blackwall	—
13537	—	E78-14/B Bias Belted Ply Blackwall	—
13539	—	E78-14/B Bias Belted Ply Blackwall	—
13567	—	E78-14/B Bias Belted Ply Blackwall	—
13569	—	E78-14/B Bias Belted Ply Blackwall	—
→ —	13437	F78-14/B Bias Belted Ply Blackwall	—
→ —	13469	F78-14/B Bias Belted Ply Blackwall	—
—	13637	F78-14/B Bias Belted Ply Blackwall	F70-14/B Bias Belted Ply White Lettered Blackwall
—	13639	F78-14/B Bias Belted Ply Blackwall	—
—	13669	F78-14/B Bias Belted Ply Blackwall	—
—	13667	F78-14/B Bias Belted Ply Blackwall	F70-14/B Bias Belted Ply White Lettered Blackwall

FACTORY INSTALLED REGULAR PRODUCTION TUBELESS TIRES

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price [⊕]
Replaces (5) E78-14/B Bias Belted Ply Blackwall (6-Cyl. Models)						
(5) E78-14/B Bias Belted Ply White Stripe	PL3					\$26.05
(5) F78-14/B Bias Belted Ply Blackwall	PX5					15.20
(5) F78-14/B Bias Belted Ply White Stripe	PX6					43.30
(5) F70-14/B Bias Belted Ply White Stripe	PY4					65.70
(5) F70-14/B Bias Belted Ply White Lettered Blackwall	PL4					65.45
Replaces (5) F78-14/B Bias Belted Ply Blackwall (V8 Models without SS Package)						
(5) F78-14/B Bias Belted Ply White Stripe	PX6					28.10
(5) F70-14/B Bias Belted Ply White Stripe	PY4					50.50
(5) F70-14/B Bias Belted Ply White Lettered Blackwall	PL4					50.25
Replaces (5) F70-14/B Bias Belted Ply White Lettered Blackwall (SS Package)						
(5) F70-14/B Bias Belted Ply White Stripe	PY4	N.C.	N.C.	N.C.	N.C.	N.C.

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

⊕ State and local taxes not included.

→ Indicates Change

CHEVELLE AND MALIBU SEDANS, COUPES AND CONVERTIBLES

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Description	Option Number	Dealer Invoice Amount	Dealer Price	Factory D & H	List Price	Mfr's Suggested Retail Delivered Price [⊕]
OTHER OPTIONS						
Roof Cover, Vinyl: Not available on Convertible models. Includes bright metal outline moldings. See Color Selection Chart for solid exterior color availability.						
Black.....	BB					\$ 94.80
Blue (Dk).....	CC					94.80
Gold (Dk).....	HH					94.80
Green (Dk).....	GG					94.80
White.....	AA					94.80
Speed and Cruise Control: (Cruise-Master) V8 models with automatic transmission and power brakes only. Not available when finger-tip windshield wiper control or SS Package is ordered.....						
	K30					57.95
Steering Wheel, Comfortilt: Available only when optional transmission is ordered.....						
	N33					45.30
Steering Wheel, Cushioned Rim: Black.....						
	NK1					34.80
Stripes, Sport: Malibu Sport Coupe or Convertible models only. Included when cowl induction hood is ordered.....						
	D88					68.50
Suspension, Special Front and Rear: Not available when SS Package is ordered. Includes special front and rear springs and matching shock absorbers.....						
	F40					16.90
Suspension, Special Performance: Available only when 330-hp engine is ordered. Includes HD rear shock absorbers, rear stabilizer and special duty front stabilizer and rear axle lower arm. Included when SS Package is ordered.....						
	F41					29.50
Tops, Convertible: Power. Available with all exterior solid colors on Malibu Convertible models only.						
Black.....	BB					N.C.
White.....	AA					N.C.
Trim, Interior: See Interior and Exterior Color Selection Chart for availability and ordering information.						
<i>Vinyl seats.</i> Coupe or Sedan models only.....						
						12.65
<i>Strato-Bucket vinyl seats.</i> Malibu Sport Coupe or Convertible models only.....						
	A51					121.15
<i>Fleet type black vinyl.</i> Chevelle 4-Door Sedan models only.....						
	797					12.65
Wheel Covers, Bright Metal: Not available when SS Package is ordered.....						
	P01					21.10
Wheel Covers, Special: Not available when SS Package is ordered.....						
	P02					79.00
Wheel Trim Rings: For use with standard hub caps only. Not available when SS Package is ordered.....						
	P06					21.10
Wheels, Rally: Not available when SS Package is ordered. Includes special 14" x 6" wheels, special hub caps and trim ring.....						
	Z17					35.85
Windshield Wiper Control, Finger-tip: Malibu models only.....						
	CD3					19.00

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Terms of Sale Bulletin.
[⊕] State and local taxes not included.

CHEVELLE AND MALIBU SEDANS, COUPES AND CONVERTIBLES POWER TEAMS

Engine, Transmission and Rear Axle Combinations

ENGINES		TRANSMISSIONS	SHIFT LEVER LOCATION		REAR AXLE RATIOS*		
Option Number and Model Application	Description	Type (Std or Optional)	Without Console	With Optional Console	Std	Optional	
						Perf	Trailering
STANDARD ENGINES							
→ Standard Six Cylinder on 6-Cyl Models	155-hp Turbo-Thrift 250 6-Cylinder 250-cu-in displacement Single barrel carburetor 8.5:1 compression ratio Hydraulic valve lifters Single exhaust	3-Speed—Std	Column	Not Available	3.08	—	—
		Powerglide—M35	Column	In Console w/Floor Shift	3.08	—	—
		Turbo Hydra-matic—M40	Column	In Console w/Floor Shift	2.73	—	—
→ Standard Eight Cylinder on V8 Models	200-hp Turbo-Fire 307 8-Cylinder 307-cu-in displacement Regular camshaft 2-barrel carburetor 9.00:1 compression ratio Hydraulic valve lifters Single exhaust	3-Speed—Std	Column	Not Available	3.08	—	—
		Powerglide—M35	Column	In Console w/Floor Shift	3.08	—	—
		Turbo Hydra-matic—M40 Without Special Suspension	Column	In Console w/Floor Shift	2.73	3.08	—
		With Special Suspension	Column	In Console w/Floor Shift	2.73	3.08	3.31
		4-Speed Wide-Range—M20	Floor With Boot	In Console	3.36	—	—
OPTIONAL ENGINES							
→ Option L65 on V8 Models	250-hp Turbo-Fire 350 8-Cylinder 350-cu-in displacement Regular camshaft 2-barrel carburetor 9.00:1 compression ratio Hydraulic valve lifters Single exhaust	3-Speed—Std	Column	Not Available	3.08	—	—
		Powerglide—M35	Column	In Console w/Floor Shift	2.73	—	—
		Turbo Hydra-matic—M40 Without Special Suspension	Column	In Console w/Floor Shift	2.56	—	—
		With Special Suspension	Column	In Console w/Floor Shift	2.56	—	3.31
		4-Speed Wide-Range—M20	Floor With Boot	In Console	3.36	—	—
→ Option L48 on V8 Models	300-hp Turbo-Fire 350 8-Cylinder 350-cu-in displacement Regular camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Single exhaust	Powerglide—M35	Column	In Console w/Floor Shift	2.73	—	—
		Turbo Hydra-matic—M40 Without Special Suspension	Column	In Console w/Floor Shift	2.73	—	—
		With Special Suspension	Column	In Console w/Floor Shift	2.73	—	3.31
		4-Speed Wide-Range—M20	Floor With Boot	In Console	3.31	—	—
→ Option LS3 on V8 Models	330-hp Turbo-Jet 400 8-Cylinder 400-cu-in displacement Regular camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Dual exhausts	Turbo Hydra-matic—M40 Without Special Suspension	Column	In Console w/Floor Shift	2.73	—	—
		With Special Suspension	Column	In Console w/Floor Shift	2.73	—	3.31
		4-Speed Wide-Range—M20	Floor With Boot	In Console	3.31	—	—
SS 396 Option Z25 on Malibu V8 Sport Coupe or Convertible Models	350-hp Turbo-Jet 396 8-Cylinder 396-cu-in displacement High-lift camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Dual exhausts	Turbo Hydra-matic—M40	Column	In Console w/Floor Shift	3.31	—	—
		4-Speed Wide-Range—M20	Floor With Boot	In Console	3.31	—	—
		4-Speed Close-Ratio—M21	Floor With Boot	In Console	3.31	—	—
SS 454 Option Z15 on Malibu V8 Sport Coupe or Convertible Models	360-hp Turbo-Jet 454 8-Cylinder 454-cu-in displacement High-lift camshaft 4-barrel carburetor 10.25:1 compression ratio Hydraulic valve lifters Dual exhausts	Turbo Hydra-matic—M40	Column	In Console w/Floor Shift	3.31	—	—
		Special 4-Speed Close-Ratio—M22	Floor With Boot	In Console	3.31	—	—
SS 454 Option Z15/L56 on Malibu V8 Sport Coupe or Convertible Models	450-hp Turbo-Jet 454 8-Cylinder 454-cu-in displacement Special camshaft 4-barrel carburetor 11.25:1 compression ratio Mechanical valve lifters Dual exhausts	Turbo Hydra-matic—M40	Column	In Console w/Floor Shift	3.31	4.10	—
		Special 4-Speed Close-Ratio—M22	Floor With Boot	In Console	3.31	4.10	—

* All ratios available as Positraction (4.10 Performance Ratio available as Positraction only).

→ Indicates Change

CHEVELLE AND MALIBU SEDANS, COUPES AND CONVERTIBLES INTERIOR AND EXTERIOR SELECTION CHART

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

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

VINYL ROOF		SOLID EXTERIOR COLOR AVAILABILITY
BLACK	BB	All Exterior Colors.
BLUE (Dark)	CC	Astro Blue, Fathom Blue, Cortez Silver or Classic White Exterior Colors Only.
GOLD (Dark)	HH	Champagne Gold, Autumn Gold or Gobi Beige Exterior Colors Only.
GREEN (Dark)	GG	Green Mist, Forest Green or Classic White Exterior Colors Only.
WHITE	AA	All Exterior Colors.

		INTERIOR TRIM													
		Black		Blue (Medium)		Gold		Green (Dark)		Ivory	Red	Saddle	Turquoise		
		Type of Seat	Cloth	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Cloth	Vinyl	Vinyl	Vinyl	Vinyl	Cloth	
MALIBU	Std. Bench	753	755	762		776		782	795	790	787	770			
	Sport Coupe	Strato-Bucket (Opt. A51)		756					796	791	788	771			
Sport Sedan	Std. Bench	753	755	762		776	777	782	795				779		
4-Door Sedan	Std. Bench	753	755	762		776		782					779		
Convertible	Std. Bench		755		764					790	787	770			
	Strato-Bucket (Opt. A51)		756		765					791	788	771			
CHEVELLE	Sport Coupe or 4-Door Sedan	Std. Bench	751	752	760			786							
EXTERIOR COLOR		CODE													
SOLID		Lower	Upper												
Beige, Gobi		50	50	X		X		X	X	X		X			
Black, Tuxedo		19	19	X	X	X		X	X	X	X	X	X		
Blue, Astro (Med.)		25	25	X	X					X					
Blue, Fathom (Dk.)		28	28	X	X					X					
Cherry, Black		78	78	X						X	X	X			
Gold, Champagne (Med.)		55	55	X		X		X	X	X		X			
Gold, Autumn (Dk.)		58	58	X		X		X	X	X	X	X			
Gray, Shadow		17	17	X	X			X	X	X	X	X			
Green Mist (Med.)		45	45	X				X	X	X		X			
Green, Forest (Dk.)		48	48	X		X		X	X	X		X			
Red, Cranberry		75	75	X						X	X	X			
Sand, Desert		63	63	X						X		X			
Silver, Cortez		14	14	X	X			X	X	X	X	X	X		
Turquoise, Misty (Med.)		34	34	X						X			X		
White, Classic		10	10	X	X	X		X	X	X	X	X	X		
TWO-TONE		Lower	Upper												
Blue, Astro (Lower) Blue, Fathom (Upper)		25	28	X	X					X					
Blue, Astro (Lower) White, Classic (Upper)		25	10	X	X					X					
Blue, Fathom (Lower) Blue, Astro (Upper)		28	25	X	X					X					
Gold, Champagne (Lower) White, Classic (Upper)		55	10	X		X		X	X	X		X			
Gold, Autumn (Lower) White, Classic (Upper)		58	10	X		X		X	X	X		X			
Sand, Desert (Lower) White, Classic (Upper)		63	10	X						X		X			
Turquoise, Misty (Lower) White, Classic (Upper)		34	10	X						X			X		

→ Indicates Change

CHEVELLE STRIPING COLOR APPLICATION CHART

The following striping colors are automatically selected for compatibility to exterior paint color, interior trim and vinyl roof cover or convertible top color applications. This chart is furnished to assist you in determining striping colors that are applied to vehicles equipped with the Cowl-Induction Hood (ZL2) or Sport Stripe (D88) options.

EXTERIOR COLOR SOLID	Body Roof Color	Vinyl Roof Cover or Convertible Top				
		Black Vinyl or Convertible	White Vinyl or Convertible	Blue Vinyl	Gold Vinyl	Green Vinyl
Beige, Gobi (50)	Black	Black	White		Black	
Black, Tuxedo (19)	White	White	White			
Blue, Astro (25)	Black	Black	White	Black		
Blue, Fathom (28)	White	White	White	White		
Cherry, Black (78)	White	White	White			
Gold, Champagne (55)	Black	Black	White		Black	
Gold, Autumn (58)	Black	Black	White		Black	
Gray, Shadow (17)	Black	Black				
Green Mist (45)	Black	Black	White			Black
Green, Forest (48)	White	White	White			White
Red, Cranberry (75)	Black	Black	White			
Sand, Desert (63)	Black	Black	White			
Silver, Cortex (14)	Black	Black	White	Black		
Turquoise, Misty (34)	Black	Black	White			
White, Classic (10)	Black	Black	Black	Black		Black
TWO-TONE						
Blue, Astro/ Blue, Fathom (25-28)	Black					
Blue, Astro/ White, Classic (25-10)	White					
Blue, Fathom/ Blue, Astro (28-25)	White					
Gold, Champagne/ White, Classic (55-10)	White					
Gold, Autumn/ White, Classic (58-10)	White					
Sand, Desert/ White, Classic (63-10)	White					
Turquoise, Misty/ White, Classic (34-10)	White					

STANDARD AND CUSTOM DELUXE SEAT BELT AND SHOULDER BELT COLOR AND USAGE CHART

INTERIOR TRIMS	STANDARD	CUSTOM DELUXE
	Seat Belt & Shoulder Belt Buckles are Colored Plastic	Seat Belt & Shoulder Belt Buckles are Brushed Metal
Black	Black	Black
Blue	Dark Blue	Dark Blue
Gold	Medium Gold	Medium Gold
Green	Dark Green	Dark Green
Ivory	Black	Black
Red	Black	Medium Red
Saddle	Black	Medium Saddle
Turquoise	Black	Dark Turquoise



1970-76 CHEVROLET PRODUCTION OPTIONS

AB7	Window — Rr. Quarter Louvered	A76	H.D. Seat Cushion & Back	B90	Molding — Side Window Reveal
AB8	Window — Rr. Qtr. Formal Style	A85	Shoulder Harness — Deluxe Frt.	B93	Guards — Door Edge
AC3	Seat Adjuster — 6 Way Power, Bucket	A90	Lock Release — Rr. Compt. Lid, Remote Control Elec.	B94	Emblem — Body "GT"
AD3	Glass — Hinged Roof Window	A99	Glove Box Lock	B95	Applique — Pillar
AD7	Window — Rr. Qtr. Teardrop Less Louvers	BB4	Map Pocket	B96	Molding — Wheel Opening
AE1	Glass — Roof Panel	BB8	Interior Ornam — Door Trim Mldg.	B97	Spoiler
AG1	Seat Adjuster — 6 Way Power, Driver (60-40)	BC1	Interior Ornamentation — Wood Grain	CA1	Roof — Steel Sliding Sun, Electric
AG2	Seat Adjuster — 6 Way Power, Pass. (60-40)	BC5	Interior Ornam — Load Compt. — Carpet	CB4	Vinyl Padded Roof (Integral Pad) — Rear
AG7	Seat Adjuster — 6 Way Power, Driver (50-50)	BF2	Carpet — Floor Covering — Deluxe	CB5	Vinyl Padded Roof(w/¼" Pad) — Full
AK1	Belts — Deluxe	BG1	Floor Mat — Heavy Duty	CB7	Vinyl Padded Roof (Integral Pad) — Front
AM6	Seat Asm. — Frt. Seat Split (60-40) W/Center Arm Rest	BG9	Covering — Floor — Rubber	CC1	Panels — Removable Roof Hatch
AM7	Folding Rear Seat Asm.	BS1	Quiet Sound Group	CD2	W/S Washer Jar Fluid Level Monitor
AN5	Seat Asm.—Pass. Reclining (40-40)	BS2	Acoustical Package	CD4	Washer & Wiper — Windshield, Pulse System
AN6	Seat Back — Adjustable, Driver	BW2	Molding — Body Side Protection	CF4	Roof — Sliding Sun
AN7	Seat Asm. — Bucket, Shell Type Swivel	BW6	Exterior Decor Package	CF5	Astro Roof — Elec.
AQ4	Seat Asm. — Sta. Wag. 3rd Seat	BW7	Ext. Ornam — Pillar Applique	C04	Vinyl Padded Roof (w/¼" Pad) — Rear
AQ9	Seat Asm. — Bucket, Pass. Reclining	BX1	Ext. Ornam — Front End Panel	C09	Vinyl Padded Roof (Integral Pad) — Full
AR5	Seat Asm. — Bucket, European Style	BX3	Exterior Ornamentation — Wood Grain Side Panel	C18	Black Windshield Wiper and Blade
AR9	Seat Asm. — Bucket, European Style	BX6	Ext. Ornam — Mldg. and Applique	C24	Wipers — Recess Parked
AS4	Rear Seat Deluxe Shoulder Harness	BX7	Door Edge Guards	C41	Heater & Defroster — Outside Air
AT6	Recliner Seat — RH Manual	BX8	Molding — Used W/Two Tone Paint	C46	Heater — Hi-Flow
AT8	Seat Asm. — Adjustable, (50-50) Pass. Reclining	BX9	Ornament — Front End Panel	C49	Defogger — Rear Window, Electric
AU1	Key — Single Car	BY1	Ext. Ornam — Body Emblem	C50	Defogger — Rear Window
AU3	Lock — Side Doors, Electric	BY2	Police Body Equipment	C51	Deflector — Station Wagon Air
AU4	Lock — Side Door, Electric Automatic	BY4	Int. Ornam — Inst. Panel Monogram	C54	Heated Rr. Window Defogger
AU5	Lock — Seat Back & Side Door, Electric	B1Q	Lock — Power Tail Gate	C60	Air Conditioner — Manual Cont.
AU6	Lock Release — Tail Gate, Remote Control Electric	B3X	Estate Equipment	C61	Air Conditioner — Auto. Cont.
AU7	Key — Single — For Total Fleet	B02	Special Body — Taxi Cab	C65	Air Conditioner — Semi-Auto. Cont.
AV3	Cargo Tie Downs	B07	Special Body — Police Car.	C80	Switch — Frt. Door Jamb
AV7	Seat Asm. — Front (50-50)	B09	H.D. Police Package	C81	Switch — Rear Door Jamb
AO1	Glass — Tinted, All Windows (Tinted Windshield)	B22	Emblem — Door	C87	Lamp — Rear Qtr. Courtesy
A02	Glass — Tinted, Windshield (Tinted Upper)	B26	Handle — Door Pull Interior	C88	Lamp — Rear Compt. Courtesy
A20	Glass — Rear Qtr. Vent. Swing Out	B28	Floor Mats — Carpet Insert	C90	Lamp — Combination Courtesy & Door Wiring
A31	Window — Power Operated, All (Exc. Vent)	B30	Carpet — Floor Covering	C91	Lamp — Front Dome
A39	Seat Belts—Frt., Rr., Ctr. Deluxe Type	B32	Mat — Front Floor Throw	C93	Lamp — Opra — Exterior Lock Pillar or Sail Panel
A41	Frt. Seat Elec. CH—4-Way Bench Seat	B33	Mat — Rear Floor Throw	C95	Lamp — Dome & Reading
A42	Seat Adjuster 6-Way Power, Single Unit	B34	H.D. Frt. Floor Mats	C97	Lamp Courtesy — Door Handle Operated
A44	Seat Adjuster	B35	H.D. Rr. Floor Mats	DF3	Mirror — Remote Control RH, Chrome
A46	Elec. 4-Way Seat Adjuster (L.H. Bucket Seat Only)	B36	Mat — Luggage Compartment	DH5	Mirror — Visor Vanity — Left
A50	Seat Asm. — Front Bucket — Formed	B37	Floor Mats — Front & Rr.	DJ9	Mirror — Rear View RH, Sport Type
A51	Seat Asm. — Bucket (L & R) Contour	B39	Carpet — Load Floor and Deck Lid	DL1	Decals and Stripes
A52	Seat Asm. — Bench	B44	Carpet — Load Floor Seat Back	DX4	Tap — Accent Strips
A65	Seat Back — Frt. Seat Split	B48	Luggage Compt. Trim	DX9	Tap — Accent Strips
A66	Seat Back — 2nd Seat Split	B51	Moulding — Rocker Panel Wide	D24	Litter Container
A75	Seat Asm. — Heavy Duty — Front	B65	Trunk Asm. — Floor Cover	D31	Mirror — Inside Tilt Rearview (Non Glare)
		B71	Exterior Ornam — Custom Whi. Opening Mldgs.	D33	Mirror — Remote Control LH, Chrome
		B75	Lining — Luggage Compt.	D34	Mirror — Visor Vanity
		B77	Molding — Windshield Reveal	D35	Mirror — Remote Control LH, Custom
		B79	Exterior Ornamentation — Rr. End		
		B80	Molding — Roof Drip		
		B83	Molding — Rocker Panel		
		B84	Molding — Body Side		
		B85	Molding — Belt Reveal		
		B86	Molding — Custom Rear Qtr. Lower		
		B89	Molding — Back Window Reveal		

1970-76 CHEVROLET PRODUCTION OPTIONS

T33	_____ Nameplate — Front Fender	VE5	_____ Strip — Front & Rr. Bumper Impact	YJ9	_____ Exterior Decor Package
T41	_____ Hood — Special Sheet Metal	VF6	_____ Bumper — Rear Step	Y02	_____ Seat — Front Custom
T44	_____ Lock — Hood Interior Operated	VG4	_____ Protector — Bumper Filler	Y03	_____ Seat — Rear Custom
T52	_____ Ornamentation — Front	VG8	_____ Bumper — Rear With Vinyl Insert	Y05	_____ Deadener — Floor
T53	_____ Molding — Front Fender	VJ9	_____ Exhaust Emission Level (Calif. Cars)	Y07	_____ Molding — Side Window Reveal
T58	_____ Skirt — Rear Wheel Opening	VK1	_____ License Plate — Frt. Mounting Pkg.	Y10	_____ Custom Doors and Qtr.
T60	_____ Battery Case — H.D. Plastic	VK3	_____ Mounting — Frt. Lic. Plate	Y11	_____ Seat — Front — Special Design
T63	_____ Headlamp — On Warning System (Buzzer)	V01	_____ Radiator — Heavy Duty (Var. 1)	Y12	_____ Seat — Rear — Special Design
T70	_____ Lamp Group	V02	_____ Radiator — Heavy Duty (Var. 2)	Y19	_____ Molding — Body Side Lower
T81	_____ Headlamp Delay Package	V30	_____ Guards — Frt. & Rr. Bumper	Y40	_____ Heavy Duty Cooling
T82	_____ On-Off Control — Headlamp Automatic	V31	_____ Guards — Front Bumper (Chrome)	Y51	_____ Molding Group
T87	_____ Lamps — Cornering	V32	_____ Guards — Rear Bumper — (Chrome)	Y53	_____ Frt. & Rr. Bumper Guards
T93	_____ Lamp — Tail & Stop Reflex Asm.	V55	_____ Carrier — Roof Luggage	Y56	_____ Accessory Group
UA1	_____ Battery — Heavy Duty	V56	_____ Lock & Trim — Luggage Compartment	Y60	_____ Convenience Group
UB7	_____ Cluster Asm. — Warning and Trip Odometer	V65	_____ Bumper — Light Duty	Y62	_____ Instrument Cluster — Special Features
UE8	_____ Clock — Electric (Digital)	V81	_____ Trailer Provisions — SAE Class 1 (2000 lbs.)	Y66	_____ SX Package
UF3	_____ Lamp — Map (W/Sun Visor Support)	V82	_____ Trailer Provisions — SAE Class 2 (3500 lbs.)	Y67	_____ Low Washer Fluid Level Indicator
UF7	_____ Cluster — Oil Temp., Volt Meter, Fuel Economy	WA3	_____ Power Seat — 6 Way (Pass. & Driver)	Y70	_____ Stripe — Decal
UF8	_____ Switch — Dimmer Headlamp	WA5	_____ Dual Speakers (Frt. & Rear)	Y71	_____ Outside Temp. Indicator
UH1	_____ Lamp Monitor — Electric	WB2	_____ AM Stereo Radio Tape	Y72	_____ H.D. Engine Cooling
UM1	_____ AM Radio & 8 Track Tape Player	WB3	_____ AM-FM Stereo Radio Tape	Y74	_____ Moldings — Rocker and Wheel Opng.
UM2	_____ AM-FM Stereo Radio & 8 Track Tape Player	BW4	_____ AM-FM Stereo Radio	Y79	_____ Appearance Option
UN9	_____ Radio Supression Equip.	WB6	_____ Gauges — Instrument Cluster W/Clock	Y82	_____ Golden Anniversary
U05	_____ Dual Horns	WB7	_____ Vinyl Roof — Rear Vinyl (Pad Attached)	Y83	_____ LJ Option
UR1	_____ Fuel Economy Vacuum Gauge	WC2	_____ Moulding Package	Y90	_____ Custom Trim
UX6	_____ Front Dual Speakers	WC4	_____ Convenience Group	Y92	_____ Lamp Group
UX9	_____ Speaker — Front	WC9	_____ Exhaust Emission Group (Calif.)	Y96	_____ Firm Ride Option
UY8	_____ Radio — AM/FM — Digital Clock	WD3	_____ Appearance Group	Y97	_____ SJ Option
U05	_____ Dual Horns	WD4	_____ Accessory Package	Y99	_____ Handling Package
U09	_____ Horn — Four Note	WF5	_____ Custom Trim Group	ZE2	_____ Olympic Edition Program Content
U11	_____ Police Car Speedo	WH3	_____ Appearance Group	Z11	_____ Custom Interior
U14	_____ Rally Gauge — Tach & Clock	WH4	_____ Tachometer & Clock	Z12	_____ Custom Exterior
U15	_____ Speed Alert — Trip Odometer	WH5	_____ Handling Package	Z13	_____ Interior Decor and Convenience Group
U18	_____ Kilo Speedo	WJ7	_____ Leather — Custom	Z14	_____ Seat Belt, Check Doors, Low Fuel Warning Lites
U21	_____ Instrument Panel Gauges	W02	_____ Wood Grain Group	Z15	_____ Exterior Decor
U25	_____ Lamp — Luggage Compt.	WT1	_____ Suspension — Bias Tire	ZK7	_____ Noise Level Control
U26	_____ Lamp — Engine Compt.	WU2	_____ G.T. Option	ZL2	_____ Special Ducted Hood Air System
U27	_____ Lamp — Inst. Panel Compt.	WU7	_____ Third Seat — Wagon	ZL9	_____ Luxury Interior
U28	_____ Lamp — Ash Tray	WW8	_____ Instrument Panel Tach., Rally Clock, Gauges	ZN5	_____ Color Coded Rally Wheels
U29	_____ Lamp — Inst. Panel Courtesy	WY5	_____ Suspension — Radial Tuned	ZX5	_____ Appearance Group
U30	_____ Instrument Gauges	W20	_____ Convenience Group	Z01	_____ "Spyder" Model
U35	_____ Electric Clock	W50	_____ Appearance Group	Z02	_____ Spyder Appearance Equipment
U37	_____ Lighter — Cigar	W60	_____ Appearance — Special Esprit	Z03	_____ Landau Equipment
U38	_____ Warning System — Low Coolant	W61	_____ Decor — Simulated Wood	Z06	_____ Luxury Interior Trim
U41	_____ Indicator — Low Fuel	W62	_____ Luxury Appointment Group	ZP5	_____ Appearance Guard Group
U46	_____ Monitor — External Lamp	W63	_____ Rally Clock & Gauges	ZQ2	_____ Operating Convenience Group
U57	_____ Player — Tape	W66	_____ 400 Sport Option	ZQ9	_____ Rr. Axle Performance Ratio
U58	_____ Radio — Stereo (W/Antenna)	W71	_____ Seat — Custom Front & Rear	ZR8	_____ Sport Stripes — White
U63	_____ Radio — Pushbutton Control (W/Antenna)	YC6	_____ Estate Wood Grain — Vega	Z10	_____ Impala "LX" Package
U69	_____ Radio — AM-FM (W/Antenna)	YD1	_____ Towing Package	Z15	_____ S.S. Model
U75	_____ Antenna — Power	YE4	_____ Exterior & Interior Deluxe	Z20	_____ Paint — Two-Tone Accent Pkg.
U76	_____ Antenna — Windshield Embedded	YF3	_____ "Heavy Chevy" Exterior Decor	Z20	_____ Two Tone Accent Package
U80	_____ Speaker — Rear Auxiliary	YF4	_____ Guard & Strip — Bumper	Z21	_____ Style Trim
U81	_____ Speaker — Rear, Dual	YF8	_____ Black Paint Stripe	Z25	_____ "SS" 396 Package
U89	_____ Wiring Harness — Car Trailer (5 Wire)	YJ8	_____ Cast Aluminum Wheels	Z26	_____ S.S.
U90	_____ Wiring Harness — Roof Flasher			Z29	_____ G.T. Option
U94	_____ Light Cable — Trailer (7 Wire)			Z54	_____ Interior Decor/Quiet Sound Group
				Z60	_____ Monza Towne Coupe
				Z76	_____ Monte Carlo "S" Package
				Z85	_____ Rally Sport Equipment
				Z95	_____ Catalytic Converter Deletion
				Z95	_____ Leaded Fuel Option

AMA Specifications—Passenger Car

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

MANUFACTURER	Chevrolet Motor Division General Motors Corporation	CAR NAME	CHEVELLE
MAILING ADDRESS	Chevrolet Engineering Center 30003 Van Dyke, Warren, Michigan 48090	MODEL YEAR	1970
		ISSUED	9-69
		REVISED (●)	2-70

NOTES:

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

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BODY - TYPES AND STYLE NAMES -

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

	<u>L-6</u> <u>Engine</u>	<u>V-8</u> <u>Engine</u>
MALIBU		
2-Door Sport Coupe, 5-Passenger	13537	13637
4-Door Sport Sedan, 6-Passenger	13539	13639
2-Door Convertible, 5-Passenger	13567	13667
4-Door Sedan, 6-Passenger	13569	13669
STATION WAGONS		
Nomad, 4-Door, 2-Seat	13136	13236
Greenbrier, 4-Door, 2-Seat	13336	13436
Greenbrier, 4-Door, 3-Seat	-----	13446
Concours, 4-Door, 2-Seat	13536	13636
Concours, 4-Door, 3-Seat	-----	13646
Concours Estate, 4-Door, 2-Seat	-----	13836
Concours Estate, 4-Door, 3-Seat	-----	13846
EL CAMINO		
2-Door Sedan Pick-up, 3-Passenger (Standard)	13380	13480
2-Door Sedan Pick-up, 3-Passenger (Custom)	13580	13680
● CHEVELLE		
2-Door Sport Coupe, 5-Passenger	13337	13437
4-Door Sedan, 6-Passenger	13369	13469



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AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*)

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for:

4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

MODEL	SAE Ref. No.	4-Door Sedan	2-Door Spt.Cpe.	4-Door Spt.Sedan	Convertible	Station Wagon	Sedan Pickup
WIDTH							
Track - Front	W101			60.0			
Track - Rear	W102			59.8			
Maximum overall car width	W103			75.4			
Body width at No. 2 pillar	W117	74.2	- -	74.2	- - - -	72.2	- -
LENGTH							
Body "O" to front of dash	L 30			0.0			
Wheelbase	L101	116.0	112.0	116.0	112.0		116.0
Overall car length	L103	201.2	197.2	201.2	197.2		206.5
Overhang - front	L104			37.5			
Overhang - rear	L105			47.7			53.0
Body upper structure length	L123	102.9	96.8	102.9	94.7	130.8	NA
Body "O" line to ϕ of rear wheel	L127	99.5	95.5	99.5	95.5		99.5
Body "O" line to w/s cowl point	L130			10.4			NA
HEIGHT							
Passenger Distribution (front & rear)				2-3		2-3-2(a)	2 Frt.
Trunk/Cargo load (lbs.)				200		300	800
Overall height	H101	53.2	52.6	53.2	52.9	55.1	54.4
Cowl height	H114	38.0	38.1	38.0	38.1	39.4	39.1
Deck height	H138			NA			
Rocker panel - front	To ground						
	From front wheel ϕ	H112	8.4	8.5	8.4	8.5	9.4
Rocker panel - rear	To ground						
	From rear wheel ϕ	H111	7.5	7.2	7.5	7.2	8.5
Windshield slope angle	H122			53.0			
GROUND CLEARANCE							
Bumper to ground - front	H102	13.8	14.3	13.8	14.3	15.0	15.0
Bumper to ground - rear	H104	15.7	15.1	15.7	15.1	12.9	11.9
Angle of approach	H106	25.2	25.5	25.2	25.5	26.5	26.0
Angle of departure	H107	21.2	21.0	21.2	21.0	17.0	16.5
Ramp breakover angle	H147	13.2	13.6	13.2	13.6	15.5	15.0
Min. running clearance (Specify)	H156	4.7	4.0	4.7	4.6	6.2	5.7

(a) - 3-seat wagon

(b) - Exhaust system to ground

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISION

CAR AND BODY DIMENSIONS

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

MODEL	SAE Ref. No.	4-Door Sedan	2-Door Spt.Cpe.	4-Door Spt.Sedan	Convert-ible	Station Wagon	Sedan Pickup
FRONT COMPARTMENT							
Effective head room	H61	38.5	37.5	38.1	38.3	38.1	38.2
Max. eff. leg room — accelerator	L34	42.7		42.8			42.5
H Point to Heel point	H30			8.1			
H Point travel	L17			4.8			
Shoulder room	W 3	58.2	58.2	58.4	58.2	58.3	58.2
Hip room	W 5	59.8	59.7	59.5	59.7	59.7	59.8
Upper body opening to ground	H50	48.6	48.5	44.1	48.6	50.0	49.7

REAR COMPARTMENT

H Point couple distance	L50	32.8	30.6	32.8	30.6	32.8	---
Effective head room	H63	37.1	36.3	37.1	36.9	38.3	---
Min. effective leg room	L51	35.0	32.3	34.9	32.3	34.6	---
H Point to Heel point	H31	10.8	10.1	10.7	10.1	10.6	---
Min. knee room	L48	2.3	0.7	2.3	0.7	2.3	---
Rear Compartment room	L 3	25.8	23.7	25.8	23.7	26.1	---
Shoulder room	W 4	57.4	56.9	57.2	47.9	57.4	--
Hip room	W 6	59.4	52.9	59.2	50.4	59.4	
Upper body opening to ground	H51	48.1	---	48.5	---	48.3	

LUGGAGE COMPARTMENT

Usable luggage capacity	V 1	13.5	14.6	13.5	8.5	- - -	-
Liftover height	H195	26.6	25.9	26.6	25.9	- - -	18.7
Position of spare tire storage		Horizontal; right side of trunk				(b)	(a)
Method of holding lid open		Boxed hinges with torsion rod					---

STATION WAGON — THIRD SEAT

Shoulder Room	W85		57.5
Hip room	W86		47.0
Effective leg room	L86		30.5
Effective head room	H86		35.9
Seat facing direction			Rearward

STATION WAGON — CARGO SPACE

Cargo length at floor — front seat	L202		90.9
Cargo length at belt — front seat	L204		79.9
Cargo width — Wheelhouse	W201		44.5
Opening width at belt	W204		49.6
Maximum cargo height	H201		31.6
Rear opening height	H202		28.6
Cargo volume index (cu. ft.) W4 x L204 x H201 1975	V2		94.0

(a) Behind passenger's seat

(b) Rear quarter

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (a)

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO** (Std. first) (Indicate A/C ratio)	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP RPM	Torque RPM		Standard	A/C
All Models except Pickups & Station Wags 250 L-6 (Base)	Turbo Thrift	One; 1-bbl.	8.5:1	155 @ 4200	235 @ 1600	3-spd. manual (2.85:1 low)	3.08	Not Available
						2-spd. automatic*		
						3-spd. automatic*		
						3-spd. manual (2.85:1 low)		
						2-spd. automatic*		
3-spd. automatic*								
All Models except Pickups & Station Wags 307 V8 (Base)	Turbo Fire	One; 2-bbl.	9.00:1	200 @ 4600	300 @ 2400	3-spd. manual (2.85:1 low)	3.08	3.08
						2-spd. automatic*		
						4-spd. manual* (2.85:1 low)		
						3-spd. automatic*		
						3-spd. manual (2.85:1 low)		
4-spd. manual* (2.85:1 low)								
2-spd. automatic*								
3-spd. automatic*								
All Models	Turbo Fire 350 V8 (L65)*	One; 2-bbl.	9.00:1	250 @ 4800	345 @ 2800	3-spd. manual (2.54:1 low)	3.08	3.08
						2-spd. automatic*		
						4-spd. manual* (2.54:1 low)		
						3-spd. automatic*		

*-Optional

**-Positraction optional for all models

AMA Specifications—Passenger Car

TYPE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*)

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO** (Std. first) (Indicate A/C ratio)	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Standard	A/C
All Models	Turbo-Fire 350 V8 (L48)*	One; 4-bbl.	10.25:1	300 @ 4800	380 @ 3200	4-spd. manual* (2.52:1 low)	3.31	3.31
						2-spd. automatic*		
						3-spd. automatic*		
All Models	Turbo-Jet 400 V8 (402 CD) (LS3)	One; 4-bbl.	10.25:1	330 @ 4800	410 @ 3200	4-spd. manual* (2.52:1 low)	3.31	3.31
						3-spd. automatic*		
Sport Coupe Convertible Pickup (13680)	Turbo-Jet 396 V8 (402 CD) (L34)*	One; 4-bbl.	10.25:1	350 @ 5200	415 @ 3400	4-spd. manual* (2.52:1 low)	3.31	3.31
						4-spd. manual* (2.20:1 low)		
						3-spd. automatic*		
Sport Coupe Convertible Pickup (13680)	Turbo-Jet 454 V8 (LS5)*	One; 4-bbl.	10.25:1	360 @ 4400	500 @ 3200	H.D. 4-spd. manual* (2.20:1 low)	3.31	3.31
						3-spd. automatic*		

*-Optional

**-Positraction optional for all models

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970- DATE ISSUED 9-69 REVISED ^(*)

MODEL	Turbo-Thrift 250 L-6 155 HP	Turbo-Fire 307 V-8 200 HP	Turbo-Fire 350 V8 250 HP
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ENGINE - GENERAL

Type, no. cyls., valve arr.	In-line 6 OHV	90° V-8 OHV	
Bore and stroke (nominal)	3.875 x 3.53	3.875 x 3.25	4.00 x 3.48
Piston displacement, cu. in.	250	307	350
Bore spacing (C to C)	4.40		
No. system (front to rear)	L. Bank	1-2-3-4-5-6	1-3-5-7
	R. Bank	In-line	2-4-6-8
Firing order	1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Compress. ratio (nominal)	8.5:1	9.00:1	
Cylinder Head Material	Cast Iron		
Cylinder Block Material	Cast Iron		
Cyl. Sleeve-Wet, dry, none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	4° 37'	4° 46'	
Taxable horsepower	36.0	48.0	51.2
Publishing max. bhp* @ eng. RPM	155 @ 4200	200 @ 4600	250 @ 4800
Publishing max. torque* (lb. ft. @ RPM)	235 @ 1600	300 @ 2400	345 @ 2800
Recommended fuel regular - premium	Regular		

ENGINE - PISTONS

Material	Cast aluminum alloy				
Description and finish	Flat notched head, slipper skirt				
Weight (piston only) oz.	20.24	22.00	25.76		
Clearance (limits)	Top land	.0245 - .0335	.0235 - .0325	.0235 - .0325	
	Skirt	Top	.0005 - .0011 (a)	.0005 - .0011 (b)	.0007 - .0013 (c)
		Bottom			
Ring groove depth	No. 1 ring	.2153 - .2218	.2113 - .2178	.2218 - .2284	
	No. 2 ring	.2153 - .2218	.2113 - .2178	.2218 - .2284	
	No. 3 ring	.2093 - .2158	.2053 - .2118	.2038 - .2103	
	No. 4 ring	None			

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

- (a) Measured 2.44 from top of piston
 (b) Measured 1.675 from top of piston
 (c) Measured 1.560 from top of piston

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*)

MODEL	Turbo-Fire 350 V-8 300 HP	Turbo-Jet 400 V-8 330 HP	Turbo-Jet 396 V-8 350 HP	Turbo-Jet 454 V-8 360 HP
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ENGINE - GENERAL

Type, no. cyls., valve arr.	90° V8 OHV			
Bore and stroke (nominal)	4.00 x 3.48	4.126 x 3.75		4.251 x 4.00
Piston displacement, cu. in.	350	402		454
Bore spacing (C to C)	4.40	4.84		
No. system (front to rear)	L. Bank	1-3-5-7		
	R. Bank	2-4-6-8		
Firing order	1-8-4-3-6-5-7-2			
Compres. ratio (nominal)	10.25:1			
Cylinder Head Material	Cast iron			
Cylinder Block Material	Cast iron			
Cyl. Sleeve-Wet, dry, none	None			
Number of mtg. points	Front	Two		
	Rear	One		
Engine installation angle	±° ±0'			
Taxable horsepower	2.5	51.2	54.5	54.5
Diag ² xNo. Cyl.				57.8
Publishing max. bhp* @ eng. RPM	300 @ 4800	330 @ 4800	350 @ 5200	360 @ 4400
Publishing max. torque* (lb. ft. @ RPM)	380 @ 3200	410 @ 3200	415 @ 3400	500 @ 3200
Recommended fuel regular - premium	Premium			

ENGINE - PISTONS

Material	Cast aluminum alloy			
Description and finish	Flat, notched hd. slipper skirt	Domed head, slipper skirt		
Weight (piston only) oz.	25.76	24.93	25.12	
Clearance (limits)	Top land	.0235-.0325	.0306-.0374	
	Skirt	Top	.0007-.0013 (a)	
		Bottom	.0016-.0026 (b)	
Ring groove depth	No. 1 ring	.2218-.2284	.2328-.2392	
	No. 2 ring	.2218-.2284	.2328-.2392	
	No. 3 ring	.2038-.2103	.2183-.2247	
	No. 4 ring	None		

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

- (a) Measured 1.560 from top of piston
- (b) Measured 1.942 from top of piston
- (c) Measured 1.74 from top of piston

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*)

MODEL	L6-250 155 HP	V8-307 200 HP	V8-350 250&300 HP	V8-400 330 HP	V8-396 350 HP	V8-454 360 HP
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ENGINE - RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression				
	No. 2, oil or comp.	Compression				
	No. 3, oil or comp.	Oil				
	No. 4, oil or comp.	None				
Compression	Description - upper material, coating, etc.	Cast alloy iron; barrel face (a)				
	lower	Cast alloy iron; inside bevel; tapered face (b)				
	Width	(c)	(d)	(e)	(f)	(g)
	Gap	.010-.020		(h)	.010-.020	
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails - steel, chrome plated OD; Expander-stainless steel				
	Width	.1870 - .1890 (assembled)				
	Gap	.015 - .055				
Expanders		In oil ring assembly				

ENGINE - PISTON PINS

Material		Chromium steel			
Length		2.990-3.010		2.930 - 2.950	
Diameter		.9270 - .9273		.9895 - .9898	
Type	Locked in rod, in piston, floating, etc.	Locked in rod			
	Bush- ing	In rod or piston Material	None		
Clearance	In piston	.00015-.00025		.00025-.00035	
	In rod	.00030-.0004			
Direction & amount offset in piston		Major thrust side .060			

ENGINE - CONNECTING RODS

Material		Drop forged steel			
Weight (oz.)		12.50		20.80	
Length (center to center)		5.695 - 5.705		6.130 - 6.140	
Bearing	Material & Type	Copper lead alloy (sintered) Stl. bkd		Premium Aluminum	
	Overall length	.807		.797	
	Clearance (limits)	.0007-.0027		.0015-.0035	
	End play	.009-.014		.008-.014	
				.015 - .023	

- (a)-Chrome plated on L6-250, V8-307 & 350; Molybdenum inlay on V8-396, 400 45
 (b)-Wear resistant coating on L6-250, V8-307 & 350; Chrome plating on V8-396, 40 45
 (c)-Upper .0628-.0633; lower .0623-.0633
 (d)-Upper .0775-.0780; lower .0770-.0780
 (e)-Upper .0775-.0780; lower .0770-.0775
 (f)-Upper & Lower .0770-.0780
 (g)-Upper & Lower .0770-.0775
 (h)-Upper .010-.020; lower .013-.025

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (a)

MODEL	L6-250	V8-307	V8-350 250 & 300 HP	V8-400	V8-396	V8-454
	155 HP	200 HP	300 HP	330 HP	350 HP	360 HP

ENGINE - CRANKSHAFT

Material	Cast nodular iron		Forged steel			
Vibration damper type	Rubber mounted inertia					
End throw (taken by bearing No. 1)	7			5		
Crank pin end play	.002 - .006		.006 - .010			
Material & type	Steel backed insert; copper lead alloy or premium aluminum lining selected for specific application					
Main bearing	Clearance	.0003-.0029		(a)	(b)	
	Journal diameter and bearing overall length	No. 1	2.3004 x .752	2.4502 x .752	2.7509 x .992	2.7503 x .992
		No. 2	2.3004 x .752	2.4505 x .752	2.7510 x .992	2.7505 x .992
		No. 3	2.3004 x .752	2.4505 x .752	2.7505 x .992	2.7505 x .992
		No. 4	2.3004 x .752	2.4505 x .752	2.7505 x .992	2.7505 x .992
		No. 5	2.3004 x .752	2.4508 x 1.177	2.7510 x 1.2525	2.7510 x 1.2525
		No. 6	2.3004 x .752			None
		No. 7	2.3004 x .760			None
Dist. & amt. cyl. offset	None					
Crankpin journal diameter	1.999-2.000	2.099-2.100	2.199 - 2.200			

ENGINE - CAMSHAFT

Location	(c)	In block above crankshaft	
Material	Cast alloy iron		
Bearings	Material	Steel backed babbitt	
	Number	4	5
Type of Drive	Gear or chain	Gear	Chain
	Crankshaft gear or sprocket material	Steel	Steel sprocket
	Camshaft gear or sprocket material	(d)	Nylon teeth with aluminum hub
	Timing chain	No. of links	None	46
	Width	None	.780
	Pitch	None	.500
			50
			.740
			.500

ENGINE - VALVE SYSTEM

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

(Continued)

- (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.

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED • 2-71

	L6-250 155 HP	V8-307 200 HP	V8-350 250 & 300 HP	V8-400 330 HP	V8-396 350 HP	V8-454 360 HP
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ENGINE — VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (BTC)	16°	28°	28°	56°
		Closes (ABC)	48°	72°	78°	114°
		Duration - deg.	244°	280°	286°	350°
	Exhaust	Opens (BBC)	46° 30'	78°	75°	110°
		Closes (ATC)	17° 30'	30°	31°	62°
		Duration - deg.	244°	288°	286°	352°
Valve opening overlap		33° 30'	58°	59°	118°	

Material		Alloy steel; aluminized face—all engines except V8-307 & 350 (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		46° (seat); 45° (face)				
Seat insert material		None				
Stem diameter		.3410 - .3417		.3715 - .3722		
Stem to guide clearance		.0010 - .0027				
Intake	Lift (- zero lash)		.3880	.3900	.3983	.4614
	Outer spring press. & length	Valve closed (lb. - in.)	56-64 @ 1.66	76-84 @ 1.70	69-81 @ 1.88	
		Valve open (lb. - in.)	180-192 @ 1.27	194-206 @ 1.25	228-252 @ 1.38	
	Inner spring press. & length	Valve closed (lb. - in.)	None	Spring Damper	26-34 @ 1.78	
		Valve open (lb. - in.)	None	Spring Damper	81-99 @ 1.28	

Material		High alloy steel, aluminized face (a)				
Overall length		4.913 - 4.933	5.345 - 5.365			
Actual overall head dia.		1.495 - 1.505	1.715 - 1.725			
Angle of seat & face		46° (seat) 45° (face)				
Seat insert material		None				
Stem diameter		.3410 - .3417	.3713 - .3720			
Stem to guide clearance		.0010 - .0027				
Exhaust	Lift (- zero lash)		.3880	.4100	.3983	.4800
	Outer spring press. & length	Valve closed (lb. - in.)	56-64 @ 1.66	76-84 @ 1.70	69-81 @ 1.88	
		Valve open (lb. - in.)	180-192 @ 1.27	194-206 @ 1.25	228-252 @ 1.38	
	Inner spring press. & length	Valve closed (lb. - in.)	None	Spring Damper	26-34 @ 1.78	
		Valve open (lb. - in.)	None	Spring Damper	81-99 @ 1.28	

ENGINE — LUBRICATION SYSTEM

Type of lubrica- tion 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	

(Continued)

a) Head also aluminized on V8-400, 396 & 454

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (if 2-70)

MODEL L6-250 | V8-307 | V8-350 | V8-400-396 & 454

ENGINE – LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb./sq. in. @ engine rpm)	70 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 oil 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, 5W-20, 5W-30
Engine Service Reamt. (MM, MS, etc.)	MS

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with crossover	Dual with resonators
Muffler No. & type (reverse flow, straight thru, separate resonator)	One; reverse flow	●	2-mufflers 2-resonators (d)
Exhaust pipe dia. (O.D., wall thick.)	None	2.00 x .082 (a)	2.00 x .069 (b)
Branch			
Main	2.00 x .064	2.50 (2.00 on V8-307) x .082 (a)	
Tail pipe dia. (O.D. & wall thickness)		1.88 x .069	2.00 x .069 (c)

ENGINE – CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system
	Optional	None
Make and model		AC Spark Plug
Location		On rocker cover - Top rear on L-6; Left Front on V8
Control Unit	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum
	Control method (variable orifice, fixed orifice, other)	Variable orifice
	Discharges to (intake manifold, carb. air intake, air cleaner, intake, other)	Intake manifold
Complete system	Air inlet (breather cap, carburetor air cleaner, other)	Carburetor air cleaner
	Frame arrester (screen, check valve, other)	Screen

(a) Laminated

(b) Pipe - muffler to resonators

(c) Round tail pipe on V8-400; Oval type extension on V8-396 & 454

● (d) One (transverse) resonator on Pick-Ups

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1970	DATE ISSUED	9-69	REVISED (a)		
MODEL		L6-250 155 HP	V8-307 200 HP	V8-350 250 HP	300 HP	V8-400 330 HP	V8-396 350 HP	V8-454 360 HP

ENGINE - EXHAUST EMISSION CONTROL

MANUAL TRANSMISSIONS

Type (Air injection, engine modifications, other)	Engine Modifications							
Air Injection Pump	Type							
	Displacement							
	Drive ratio							
	Drive type							
	Relief valve (type)	NOT APPLICABLE						
Air Injection System	Filter (describe)							
	Air distribution (head, manifold, etc.)							
	Point of entry							
	Injection tube I.D.							
Carburetor	Check valve type							
	Backfire protection (type)							
	Make							
	Model							
	Barrel size							
Idle speed	Drive	REFER TO PAGE 10A						
	Neutral							
Idle A/F mixture								
Aux. Adv. Systems (type)	Transmission controlled vacuum spark advance							
Make	Delco-Remy							
Model	1110463	1111995	1112001	1111996	1111998	1111999	1111963	
Distributor	Start from:	900	1000	1000	950	900	900	1085
	intermed. points							
	seq. rpm	11.5 @ 1300	10 @ 1600	15 @ 1800	20 @ 1800	17 @ 2000	21 @ 2000	17 @ 2100
Vacuum adv. in crank degrees - eng. rpm	Max. deg. - rpm	32 @ 4200	23 @ 4300	36 @ 4100	30 @ 4700	32 @ 5000	36 @ 5000	24 @ 3200
	Start (in Hg)	7.00	6.00	7.00	8.00	8.00		
	intermed. points deg. - in. Hg	None						
Vacuum Source	Max. deg. - in.	23 @ 16	15 @ 12	24 @ 17.5	20 @ 17	15 @ 15.5		
		Carburetor						
Timing - Crank degrees - rpm **	TDC	2BTDC	TDC	TDC	4BTDC	TDC	6BTDC	
Cooling System	-----							
Exhaust System	-----							

** - At idle - see page 10A for idle speeds.

AMĀ Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED(*)

MODEL	L6-250 153HP	V8-307 200 HP	V8-350 250 HP	300 HP	V8-400 330 HP	V8-396 350 HP	V-1 360
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ENGINE - EXHAUST EMISSION CONTROL

AUTOMATIC TRANSMISSIONS

Type (Air injection, engine modifications, other)		Engine Modification							
Air Injection Pump	Type	NOT APPLICABLE							
	Displacement								
	Drive ratio								
	Drive type								
	Relief valve (type)								
Air Injection System	Filter (describe)	REFER TO PAGE 10A							
	Air distribution (head, manifold, etc.)								
	Point of entry								
	Injection tube I.D.								
Carburetor	Check valve type	REFER TO PAGE 10A							
	Backfire protection (type)								
	Make								
	Model								
	Barrel size								
Idle speed	Drive	REFER TO PAGE 10A							
	Neutral								
Idle A. F. mixture		REFER TO PAGE 10A							
Aux. Adv. Systems (type)									
Transmission controlled vacuum spark advance		Delco-Remy							
Distributor	Make	Delco-Remy							
	Model	1110464	1112005	1112002	1111997	1111998	1112000	1111963	
	Centrifugal adv. in crank degrees @ eng. rpm	Start (rpm)	900	1000	1100	950	900	1000	1085
		Intermed. points deg. @ rpm	17@1950	12@2200	8@1400	20@1800	17@2000	15@1800	17@2100
	Max. deg. @ rpm	28@4200	24@4300	32@4400	30@4700	32@5000	36@5000	24@3200	
Vacuum adv. in crank degrees @ eng. rpm	Start (in Hg)	7.00	8.00	7.00	8.00	8.00	6.00	8.00	
	Intermed. points deg. in Hg	None							
	Max. deg. @ rpm	23@16	20@17	24 @ 17.5	20@17	15@15.5	15@12	15@15.5	
Vacuum Source		Carburetor							
Timing - Crank degrees @ rpm **		4BTDC	8BTDC	4BTDC	4BTDC	4BTDC	4BTDC	6BTDC	
Cooling System		-----							
Exhaust System		-----							

** - At idle - see page 10A for idle speeds

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-60 REVISED (*)2-70

MODEL	L6-250	V8-307	V8-350	V8-400	V8-396	V8-454
	155 HP	200 HP	250 | 300	330 HP	350 HP	360 HP

ENGINE - FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.		Carburetor				
Fuel Tank	Refill capacity (U.S. gals.) ●	Approximately 20 - Station Wagons - 18				
Fuel Tank	Filler location	Behind hinged rear license plate **				
Fuel Pump	Type (elec. or mecn.)	Mechanical				
Fuel Pump	Locations	Lower right front of engine				
Fuel Pump	Pressure range #	400-500	550-7.00		7.50 - 9.00	
Vacuum booster (std., optional, none)		None				
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank and paper filter (sintered bronze with V8-307) in carburetor inlet				
Fuel Filter	Locations	Automatic				
Carburetor	Choke type	Automatic				
	Intake manifold heat control (exhaust or water)	Exhaust				
	Air cleaner type	Standard	Thermostatically controlled; Oil wetted paper element			
	Air cleaner type	Optional	None			
Carburetor	Idle speed (spec. neutral or drive)	Manual (N)	750	700	750	700
		Automatic (D)	600			
		Idle A/F mix.	Not specified			

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size		
			Make	Model				
13100	250	Manual	Rochester	7040017	One;	1.69		
13300		Automatic		7040014				
13500		Manual		Rochester			7040101(a)	One;
	307	Automatic	Rochester	7040110(b)	2-bbl.	1.44		
13200	350	Manual	Rochester	7040113(c)	One;	1.69		
13400		Automatic		7040114(d)				
13600	350	Manual	Rochester	7040203	One;	1.38 Prim.		
13800		Automatic		7040202			4-bbl.	2.25 Sec.
		400		Manual			Rochester	7040201	One;	1.38 Prim.
	330hp	Automatic	Rochester	7040200	4-bbl.	2.25 Sec.		
13637	396	Manual	Rochester	7040205	One;	1.38 Prim.		
13667	350hp	Automatic		7040204			4-bbl.	2.25 Sec.
13680	454	Manual	Rochester	7040201	One;	1.38 Prim.		
		360hp		Automatic			7040200	4-bbl.	2.25 Sec.

- (a) 7040103 with Air Conditioning
- (b) 7040112 with Air Conditioning
- (c) 7040115 with Air Conditioning
- (d) 7040116 with Air Conditioning

Shut off pressure - 1800 RPM at pump outlet
 ** Left Quarter panel on Station Wagons

AMA Specifications—Passenger Car

Page 10 B

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*)

MODEL Evaporation Emission Control System (California vehicles)

Fuel Tank Capacity - 18 Gals. (approximately)

Components:-

Fill Limiter - Shaped metal pan welded inside of gas tank to reserve space for normal gasoline expansion and contraction.

Canister - Canister of activated carbon stores vapors vented from gas tank until removed and burned in the engine.

Liquid Separator - Connected in vent lines to canister. Separates and returns liquid fuel to the tank.

Constant flow purge line - Incorporates an orifice to regulate flow to manifold under (canister to manifold) all engine operating conditions, including idle.

Variable Flow Purge Line - Becomes functional above engine idle speeds to more (canister to air cleaner) completely purge the canister (snorkel)

Aluminum Heat Dissipator - Positioned between insulation blocks and intake manifold. Provides optimum heat transfer to surrounding atmosphere.

Carburetor Model No.'s

		<u>L6-250</u>	<u>V8-307</u>	<u>V8-350 250 HP</u>	<u>V8-350 300 HP</u>	<u>V8-396</u>	<u>V8- & 454</u>
Manual	Same	7040401	7040413	7040413	7040503	7040505	7040501
Manual with A/C	as	7040403	7040415	7040415	7040503	7040505	7040501
Automatic		7040410	7040414	7040414	7040502	7040504	7040500
Automatic with A/C	Base	7040412	7040416	7040416	7040502	7040504	7040500

AMA Specifications—Passenger Car

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MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (to) 2-70

MODEL	L6-250 155 HP	V8-307 200 HP	V8-350 250 HP	V8-400 300 HP	V8-400 330 HP	V8-396 350 HP	V8-454 360 HP
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ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)						Pressure		
Radiator cap relief valve pressure						15 ± 1 PSI		
Circuit Type (choke, bypass)						Choke		
Thermostat Starts to open at (°F)						192° - 198°		
Type (centrifugal, other)						Centrifugal		
GPM 1000 pump rpm	26@2000	23 @ 2000	|	23 @ 2000	25@2000			
Number of pumps						One		
Drive (V-belt, other)						V-belt		
Bearing type						Permanently lubricated double row ball		
Bypass recirculation type (inter., ext.)						Internal	External	
Radiator core type (cellular, tube and fin, other)						Tube and Center		
Cooling system With heater (at.)	12	15	16	23	22			
Without heater (at.)	11	14	15	22	21			
Capacity Opt. equipment-specify (at.)	13	16	16	24	23			
Water jackets full length of cyl. (yes, no)						Yes		
Water all around cylinder (yes, no)						Yes		
Radiator hose	Lower	Number and type (molded, straight)						One, molded
		Inside diameter	1.75		1.88			
	Upper	Number and type (molded, straight)						One, molded
		Inside diameter	1.50					
	Bypass	Number and type (molded, straight)	None		One, molded			
		Inside diameter	None		.725 - .765			
Fan	Number of blades & spacing						4-staggered	
	Diameter	17.62			18.00			
	Ratio (fan to crankshaft rev.)	1.165:1	.949:1					
	Fan cutout type						None	
Bearing type						Double row ball		
Drive belts	Fan	A	C		F			
	Generator or alternator	A	C		F			
	Water Pump	A	C		F			
	Power Steering	B	D		G			
Air Conditioning	- -	E		H				

Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	38° - 42°										
Nominal length SAE	37.30	50.00	44.25	36.00	54.33	45.75	41.00	57.00			
Width	.380										

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1970	DATE ISSUED	9-69	REVISED	2-70
MODEL	L6-250	V8-307	V8-350	V8-396	V8-454		
	155 HP	200 HP	250 & 300	& V8 400	360 HP		

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model	Delco-Remy 1980032	Delco-Remy 1980030	1980080
	Voltage Rtg. & Total Plates	12 volts-54 plates	12 volts - 66 plates	12 vlts. -78
●	SAE Designation & Amp. Hr. Rtg.	45 amp hr @ 20 hr. rate	61 amp hr. @ 20 hr. rt.	62 lamps @ 20
	Location	Right side of engine compartment		
	Terminal grounded	Negative		
Generator	Make	Delco-Remy		
	Model	1100834		
or	Type and rating	Diode rectified 37 amps		
Alternator	Output at engine idle (neutral)	13 amms		
	Ratio-Gen. to Cr. s rev.	2.53:1		
Regulator	Make	Delco-Remy		
	Model	1119515		
	Type	Vibrator		
Regulator	Cutout relay	Closing voltage generator rom	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	1108365	1108367	1108338(a) | 1108418(b)
	Rotation (drive end view)	Clockwise		
	Switch solenoid, manual	Solenoid		
Motor control	Starting procedure	Manual-Place gearshift lever in neutral & depress clutch		
		Automatic-Place control lever in N or P position		
		Initial Start-Press accelerator to floor & release. Turn ignition to START, release as soon as engine starts.		
Motor Drive	Engagement type	Positive shift solenoid		
	Pinion meshes front rear	Rear		
Number of teeth	Pinion	9		9
		Flywheel	Manual	153	168
	Auto.		153	168
Flywheel tooth face width	Manual	.4010 - .4130	.4100 - .4220	
	Auto.	.4010 - .4130	.4100 - .4220	

(a) 1108427 with automatic transmission

(b) 1108430 with automatic transmission

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (•) 2-70

MODEL	L6-250 155 HP	V8-307 200 HP	V8-350 250&300HP	V8-400 330 HP	V8-396 350 HP	V8-454 360 HP
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ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.	Standard				
	Transistorized – Std., Opt., N.A.	Not available				
	Other (specify)	None				
Coil	Make	Delco-Remy				
	Model	115208				1115293
	Amps	Engine stopped	4.0			
		Engine idling	1.8			
Distributor	Make					
	Model					
	Centrifugal adv. in c/shaft degrees engine rpm (nominal)	Start (rpm)				
		Intermediate points deg. & rpm				
		Max. deg. & rpm				
	Vacuum adv. in c/shaft degrees in. Hg. (nominal)	Start (in. Hg.)				
		Intermediate points, deg. & in. Hg.				
		Max. deg. in. Hg.				
	Breaker gap (in.)	.019				
	Cam angle (deg.)	31-34	29-31	28-30		
Breaker arm tension (oz.)	19-23		28-32			
Timing	Crankshaft deg. & rpm	Refer to page nine				
	Mark location	Torsional damper				
Spark Plug	Make	AC Spark Plug				
	Model	AC R46T	AC R45	AC R44	AC R44T	AC R43T
	Thread (mm)	14				
	Tightening torque (lb. ft.)	25				
	Gap	.033-.038				
Cable	Conductor type	Linen core impregnated with electrical conducting material				
	Insulation type	Rubber with neoprene jacket				
	Spark plug protector	Neoprene				

ELECTRICAL – SUPPRESSION

Locations & type	Non-metallic high ignition cable
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AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 3-69 REVISED •

MODEL	#	L6-250 155 HP	V8-307 200 HP	V8-350 250 HP	V8-400 300 HP	V8-400 330 HP	V8-390 350 HP	V8-454 360 HP
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ELECTRICAL — INSTRUMENTS AND EQUIPMENT

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

DRIVE UNITS — CLUTCH (Manual Transmission)

Make & type	Chevrolet Single dry disc		Chevrolet, single dry disc, centrifugal
Type pressure plate springs	Diaphragm		Diaphragm, bent finger design
Total spring load (lb.)	1650-1850	1900-2200(a)	2100-2300 | 2450 - 2750
No. of clutch driven discs	One		
	Material: Woven type asbestos		
Clutch facing	Outside & inside o.d.	9.12 x 6.12 | 10.34 x 6.50	11.00 x 6.50
	Total fit. area (sq. in.)	71.82	101.54 | 123.70
	Thickness	.135	.140
Engagement cushioning method	Flat spring steel between facings		
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Method springs	Coil springs	

(a) 2100 - 2300 with 4-speed transmission

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED ()

MODEL _____

DRIVE UNITS — TRANSMISSIONS

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

DRIVE UNITS — MANUAL TRANS.

	L6-250 V8-307	V8-350 250 HP	V8-307	V8-350 250 HP	V8-350 (300 HP) V8-400 V8-396	V8-396 V8-454	
Number of forward speeds	3-speed		4-speed				
Transmission ratios	In first	2.85	2.54	2.85	2.54	2.52	2.20
	In second	1.68	1.50	2.02	1.80	1.88	1.64
	In third	1.00	1.00	1.35	1.44	1.46	1.27
	In fourth	---	---	1.00	1.00	1.00	1.00
	In reverse	2.95	2.63	2.85	2.54	2.59	2.26
Synchronous meshing, specify gears	All forward speeds						
Shift lever location	Steering column 3-speed Floor mounted 4-speed						
Capacity (pt.)	3						
Type recommended	Meeting Military Specs MIL-L-2105B						
Lubricant	SAE viscosity number	Summer	SAE 80				
		Winter	SAE 80				
		Extreme cold	SAE 80				

DRIVE UNITS — MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)			
Manual lockout (yes, no)			
Downshift accelerator control (yes, no)			
Minimum cut-in speed			
Gear ratio			
Capacity (pt.) (Overdrive only)			
Separate filler (yes, no)			
Type recommended			
Lubricant	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

NOT

AVAILABLE

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1970	DATE ISSUED	9-69	REVISED (a)
		3-SPEED AUTOMATIC		3-SPEED AUTOMATIC		
		V8-350		L6-250, V8-396		
MODEL	L6-250 | V8-307 | L65 | L48	V8-307 & 350		400 & 454		

DRIVE UNITS — AUTOMATIC TRANSMISSION

Trade name	Powerglide		Turbo Hydra-Matic		
Type describe	Torque converter with planetary gears				
Selector location	Lever, steering column; floor mounted when used with console and optional bucket seats on convertible & coupes				
List gear ratios Selector Pattern and indicate which are used in each selector position	P-Park R-1.82 N-Neutral D-1.82-1.00 L-1.82	P-Park R-1.76 N-Neutral D-1.76-1.00 L-1.76	P-Park R-1.93 N-Neutral D-2.52-1.52-1.00 L ₂ -2.52-1.52 L ₁ -2.52	P-Park R-2.08 N-Neutral D-2.48-1.48-1.00 L ₂ -2.88-1.48 L ₁ -2.48	
Max. upshift speed—drive range	55	60	77	83	**
Max. kickdown speed—drive range	49	54	63	74	**
Torque converter	Number of elements*	3			
	Max. ratio at stall	2.10			
	Type of cooling (air, liquid)	Water			
Lubricant	Nominal diameter	11.75		11.75	12.20
	Capacity—refill (pt.)	6	6.5	5	8
	Type recommended	A suffix A			
Special transmission features					

DRIVE UNITS — PROPELLER SHAFT

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

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

(Continued)

- ** Upshift: L6-250 (1-2 43; 2-3 76); V8-307 (1 2 44; 2-3 77); V8-350 250 HP (1-2 52; 2-3 84)
V8-350 300 HP (1-2 49; 2-3 82); V8-396 (1-2 46; 2-3 74); V8-400 (1-2 57; 2-3 75); V8-454 (1-2 41; 2-3 67)
- Kickdown: L6-250 (2-1 34; 3-2 71); V8-307 (2-1 34; 3-2 73); V8-350 250 HP (2-1 40; 3-2 82);
V8-350 300 HP (2-1 36; 3-2 79); V8-396 (2-1 30; 3-2 69); V8-400 (2-1 30; 3-2 69);
V8-454 (2-1 29; 3-2 62)

AMA Specifications—Passenger Car

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MODEL _____

DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	- - -
Slip Yoke	Type	Yoke
	Number of teeth	27
	Spline O.D.	1.1750 - 1.1752
Universal joints	Make and Mfg. No.	Chevrolet
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attachment (bolt, clamp, etc.)	U-bolt
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

DRIVE UNITS – AXLE

Type (front, rear)	Rear	
Description	Semi-floating, overhung hypoid pinion and ring gear Cone clutches or dual disc clutches	
Limited Slip differential type		
Drive Pinion Offset	1.50	
No. of differential pinions	Two	
Pinion adjustment (shim, other)	Shim	
Pinion bearing adj. (shim, other)	Collapsible Sleeve	
Wheel bearing type	Direct on single row cylindrical	
Lubricant	Capacity (qt.)	3.75 (8.125 ring gear); 4.25 (8.875 ring gear)
	Type recommended	Open Diff: Meeting Military Specs. MIL-L-2105B
	SAE vis. Summer	SAE 80
	SAE vis. Winter	SAE 80
SAE number	Extreme cold	SAE 80

AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage.)

Axle ratio	2.56	2.75	3.08	3.36	2.73	3.31
No. of Pinion teeth	10	15	12	11	15	13
Ring gear	±1	±1	37	37	±1	45
Ring Gear O.D.			8.125			8.875

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (*)

MODEL _____

DRIVE UNITS - WHEELS

Type & material	Short spoke disc: steel	
Rim size & flange type	Std.	14x5JJ; 14x6JJ - Station Wagons; 14x7JJ - "SS" models
	Opt.	14x6JJ
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 hex nuts 7/16-20 UNF - 2B

MODEL _____

DRIVE UNITS - TIRES

Standard	Size, Load Range, and ply	E78x14/B/2 (a); F78x14/B/2 (b); F70x14/B/2 (c); G70x14/B/2 (d); G78x14/B/2 or D/2 (e).		
	Type (bias, radial, etc.)	Fiberglass Bias Belted		
	Full rated inflation Press. *	Front	Cold 24; Hot 30	
		Rear	Cold 28; Hot 34	
	Rev. Mile at 45 MPH	800		
Optional	Size, Load Range, and ply	F78x14/B/2 (b)		
		F70x14/B/2 (c)		
		G78x14/D/2 (e)		

BRAKES - PARKING

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

* Pressures shown are up to base vehicle load limit.

- (a) Base with six-cylinder engines except station wagons and El Camino.
- (b) Base for V-8's except "SS" models and station wagons; optional for six-cylinder models except station wagons and El Camino.
- (c) Base for "SS" models except El Camino; optional for all but station wagons.
- (d) Base for El Camino "SS".
- (e) Base for station wagons: B or D depending on optional equipment; D is optional for all wagons.

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 7-69 REVISED (12-70)

MODEL _____

BRAKES - SERVICE

			STANDARD	OPTIONAL (a)	
Type (drum) or (disc & no. of pistons) ●			Drum (front finned) (b)	Disc-front (b)	
Self adjusting (std., opt., N.A.)			Standard		
Special Valving	Type (proportion, delay, metering, other)		None	Metering and proportioning (except Station Wagons)	
Power brake make & type (remote, int., etc.)	Std. ●		---	(c)	
	Opt. ●		(c)	---	
Effective area (sq. in.) *			155.2	106.1	
Gross lining area (sq. in.) **			168.9	118.1	
Swept area (sq. in.) ***			268.8	332.4	
Front to Rear Effectiveness Relationship			62		
Drum	Diameter (nominal)	Front	9.5	---	
		Rear		9.5	
	Type and material		Composite; cast iron finned rim; steel web		
Rotor ●	Outer working diameter		---	11.00	
	Inner working diameter		---	7.18	
	Working width		---	1.00	
	Material & type (vented/solid)		---	Cast iron; vented	
Wheel cylinder bore	Front		1.125	2.9375	
	Rear		.875	.875	
Master Cylinder	Bore		1.00	1.125	
	displacement	Front %	58.5	74	
	distribution	Rear %	41.5	26	
Pedal arc ratio			6.32	3.53	
Line pressure at 100 lb. pedal load			805	1025	
Shoe Clearance	Front		Self adjusting		
	Rear		Self adjusting		
Brake Lining	Bonded or riveted		Bonded	Riveted	
	Front Wheel	Material		Molded asbestos	
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.5 x .17	5.96 x 2.21 x .41
			Second. or in-board	9.75 x 2.5 x .20	5.96 x 2.21 x .41
		Segments per shoe		One	
	Rear Wheel	Material		Molded asbestos	
Size (length x width x thickness)		Prim. or out-board	9.01 x 2.0 x .17	9.01 x 2.0 x .17	
		Second. or in-board	9.75 x 2.0 x .20	9.75 x 2.0 x .20	
Segments per shoe		One			

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)
 (a) Standard with V8-390 & V8-400 "SS" and all V8 wagons except 13230.
 (b) Drum-single piston, duo servo. Disc-single piston, floating caliper.
 (c) Delco-Moraine vacuum power units integral.

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED (e)

MODEL _____

STEERING

Manual (std., opt., NA)		Standard-energy absorbing steering column		
Power (std., opt., NA)		Optional		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: tilt achieved with universally-jointed steering shaft base of steering wheel: 5 inch vertical travel range		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	16.25 x 15.50 (Oval)		
	Power	Same as manual		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	45.5	
		Curb to curb (l. & r.)	42.0	
	Inside rear	Wall to wall (l. & r.)		
		Curb to curb (l. & r.)		
Manual	Gear	Type	Semi-reversible, recirculating ball nut	
		Make	Saginaw Steering	
		Ratios	Gear 24:1 Overall 28.7:1	
	No. wheel turns (stop to stop)	5.5		
	Power	Type (coaxial, linkage, etc.)	Integral gear with vane type pump	
Make		Saginaw Steering		
Gear		Type	Same as manual	
		Ratios *	Gear	16.1-12.4:1; Station Wagon and El Camino 17.5:1
		Overall	18.7:1-12.4:1 Station Wagon and El Camino 20.3:1	
Pump driven by	Crankshaft pulley			
No. wheel turns (stop to stop)	2.9			
Linkage	Type	Parallelogram		
	Location (front or rear of wheels, other)	Front of wheels		
	Drag link (trans. or longit.)	None		
	Tie rods (one or two)	Two		
Steering Axis	Inclination of camber (deg.)		7-3/4 to 8-3/4	
	Bearings (type)	Upper	Ball stud with non metallic surfaces	
		Lower	Ball stud with non metallic surfaces	
		Thrust	None	
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		N1-1/2 to N1/2; pick-up N1 to 0	
	Camber (deg.)		0 to P1	
	Toe-in (outside track inches)		1/8 to 1/4	
Steering spindle & joint type		Forging with pad for mounting brake cylinder; spherical joints 1.2493-1.2498		
Wheel Spindle	Diameter	Inner bearing	.7493-.7498	
		Outer bearing		
	Thread size		3/4 - 20 NEF - 3 (modified)	
	Bearing type		Taper roller	

* No variable ratio for Station Wagons and El Camino.

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 3-60 REVISED (*)2-76

MODEL _____

SUSPENSION – GENERAL

See Supplement page for details on Air Suspension.

Provision for car leveling	Front stabilizer bar	
Provision for brake disc control	Mounting angle of front upper control arms	
Provision for acc. servat control	Geometry of rear suspension	
Special provisions for car jacking	Position jack in bumper notch on lower face of front and rear bumper	
Shock absorber front & rear	Type	Direct double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		

SUSPENSION – FRONT

Type and description	Independent - SLA type with coil spring and concentric shock absorber and spherically jointed steering knuckle for each wheel.	
Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	11.7 x 3.63; 133.40 x .595
	Spring rate (lb. per in.)	250
	Rate at wheel (lb. per in.)	92
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel .812

SUSPENSION – REAR

Type and description	Linked: salisbury axle fixed by control arms	
Drive and torque taken through	Control arms	
Spring	Type	Coil
	Material	Steel alloy
	Size (length x width, coil design height & I.D., bar length & dia.)	14.70 x 5.50; 103.8 x .522
	Spring rate (lb. per in.)	100
	Rate at wheel (lb. per in.)	85
	Mounting insulation type	Natural rubber
	If leaf: Shacklet comp. or tens.	---
Stabilizer	Type (link, linkless, frameless)	None
	Material	---
Track bar type	None	

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-60 REVISED (*)

MODEL _____
 FRAME _____

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

BODY - MISCELLANEOUS INFORMATION	4-door Sedan	Sport Coupe	Sport Sedan	Convertible	Station Wagon	Pick-up
Drs. hinged (front, rr.)				Front		
Front doors				Front		
Rear doors				Front		
Type of finish (lacquer, enamel, other)	Acrylic Lacquer					
Hood counterbalanced (yes, no)	Yes					
Hood release control (internal, external)	External					

Vehicle Ident. No. location: Top left of instrument panel pad

Engine No. location: 6-cyl. on crankcase RH side of engine, rear of distributor
 8-cyl. on top front of RH bank of cylinder and case

Theft protection - type: Lock, mounted on steering column; locks steering wheel, transmission shift levers and ignition

Vent window control method (crank, friction pivot)	Front	Friction pivot (no ventipane on Sport Coupe & Convertible)
	Rear	
Seat cushion type	Front	None
	Rear	Formed wire and foam pad
	3rd seat	Formed wire, foam pad and cotton
Seat back type	Front	Formed wire, foam pad and cotton
	Rear	Formed wire and foam pad
	3rd seat	Formed wire, foam pad and cotton

Windshield glass type (i.e., single curved - laminated plate): Curved-laminated plate

Side glass type (i.e., curved - tempered plate): Curved-tempered plate

	Curved				Tempered plate	
Backlight glass type (i.e., compound curved - tempered plate, three piece)						
Windshield glass exposed surface area	1249.6	1208.7	1249.6	1211.8	1249.6	1208.7
Side glass exposed surface area	1197.0	1334.0	1349.4	1260.4	2416.2	648.0
Backlight glass exposed surface area	1032.2	1059.4	1032.5	539.7	757.0	695.6
Total glass exposed surface area	3478.8	3602.1	3631.5	3011.9	4422.8	2552.3

AMA Specifications—Passenger Car

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 MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 9-69 REVISED 01

MODEL _____

CONVENIENCE EQUIPMENT

Indicate whether standard, optional, or NA on each series

Power windows	Side windows	Optional
	Vent windows	NA
	Backlight or taglight	Optional - 2 seat wagon; standard - 3 seat wagon
Power seats (specify type as well as availability)		NA
Reclining front seat back (R-L or both)		NA
Front seat head restraint (R-L or both)		Standard
Radios (specify type as well as availability)		Optional AM Push-button AM-FM Stereo radio; AM-FM Push-button
Rear seat speaker		Optional
Power antenna		NA
Clock		Optional
Air conditioner (specify type and availability)		Optional-Four Season and G.M. Chevrolet
Speed warning device		NA
Speed control device		Optional
Ignition lock lamp		NA
Dome lamp		Standard
Glove compartment lamp		Sta.; - opt. 131-132-133-13400 wagons and 133-13400 El Camino
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Optional exc. conv. (standard)
Mirror Maplight		Optional
Auto. trans. quad. lamp		Standard
Cornering light lamp		NA
Finger tip washer-wiper control		Optional
Windshield antenna		Available with factory installed radio

LAMP HEIGHT AND SPACING

Height above ground to center of bulb or marker	Headlamp	Highest	
		Lowest	
	Tail	Highest	
		Lowest	
	Sidemarker	Front	
		Rear	
	Headlamp	Inside	
		Outside	
Distance from center of bulb	Tail	Inside	
		Outside	
Direction:		Front	
		Rear	

1. Single headlamps are used where noted

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 2-69 REVISED 2-70

WEIGHTS

	CURB WEIGHT—POUNDS			PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT		
	Fron.	Rear	Total	Pass. - Front		Pass. - Rear		Fuel	Coolant	
				Front	Rear	Front	Rear			
Models with base V8 engine:										
MALIBU										
2-door sport coupe	13637	1864	1547	3411	46.6	53.4	20.0	80.0	122.4	32.9
4-door sport sedan	13639	1905	1608	3513	48.6	51.4	20.6	79.4	122.4	32.9
2-door convertible	13667	1856	1600	3456	46.6	53.4	20.0	80.0	122.4	32.9
4-door sedan	13669	1877	1557	3434	48.6	51.4	20.6	79.4	122.4	32.9
NOMAD										
4-door, 2-seat	13236	1767	2055	3822	48.6	51.4	20.6	79.4	113.2	32.9
GREENBRIER										
4-door, 2-seat	13436	1763	2089	3852	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13446	1747	2151	3898	48.6	51.4	20.6	79.4	113.2	32.9
CHEVELLE										
2-door sport coupe	13437	1836	1526	3362	46.6	53.4	20.0	80.0	122.4	32.9
4-door sedan	13469	1866	1548	3414	48.6	51.4	20.6	79.4	122.4	32.9
CONCOURS										
4-door, 2-seat	13636	1785	2113	3898	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13646	1767	2173	3940	48.6	51.4	20.6	79.4	113.2	32.9
CONCOURS ESTATE										
4-door, 2-seat	13836	1798	2127	3925	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13846	1787	2197	3984	48.6	51.4	20.6	79.4	113.2	32.9
EL CAMINO										
2-door pick-up	13480	1860	1544	3404	49.3	50.7	---	---	122.4	32.9
	13680	1872	1553	3425	49.3	50.7	---	---	122.4	32.9

Accessories & Equipment	Differential Weights	Remarks
250 cu. in. 6 Cyl.	- 8	With Powerslide transmission
250 cu. in. 6 Cyl.	- 26	With Turbo Hydra-Matic transmission
307 cu. in. V8	+ 18	With 4-speed transmission
307 cu. in. V8	+ 8	With Powerslide transmission
307 cu. in. V8	+ 28	With Turbo Hydra-Matic transmission
350 cu. in. V8 (250 HP)	+ 37	With 3-speed transmission
350 cu. in. V8 (250 HP)	+ 55	With 4-speed transmission
350 cu. in. V8 (250 HP)	+ 39	With Powerslide transmission
350 cu. in. V8 (250 HP)	+ 65	With Turbo Hydra-Matic transmission
350 cu. in. V8 (300 HP)	+ 54	With 4-speed transmission
350 cu. in. V8 (300 HP)	+ 45	With Powerslide transmission
350 cu. in. V8 (300 HP)	+ 75	With Turbo Hydra-Matic transmission
402 cu. in. V8 (330 HP)	+243	With 4-speed transmission
402 cu. in. V8 (330 HP)	+283	With Turbo Hydra-Matic transmission
402 cu. in. V8 (350 HP)*	+292	With 4-speed transmission
402 cu. in. V8 (350 HP)*	+346	With Turbo Hydra-Matic transmission
454 cu. in. V8 (360 HP)*	+348	With H. D. 4-speed transmission
454 cu. in. V8 (360 HP)*	+402	With Turbo Hydra-Matic transmission

* Available as "SS" equipment only - includes additional body and chassis equipment.

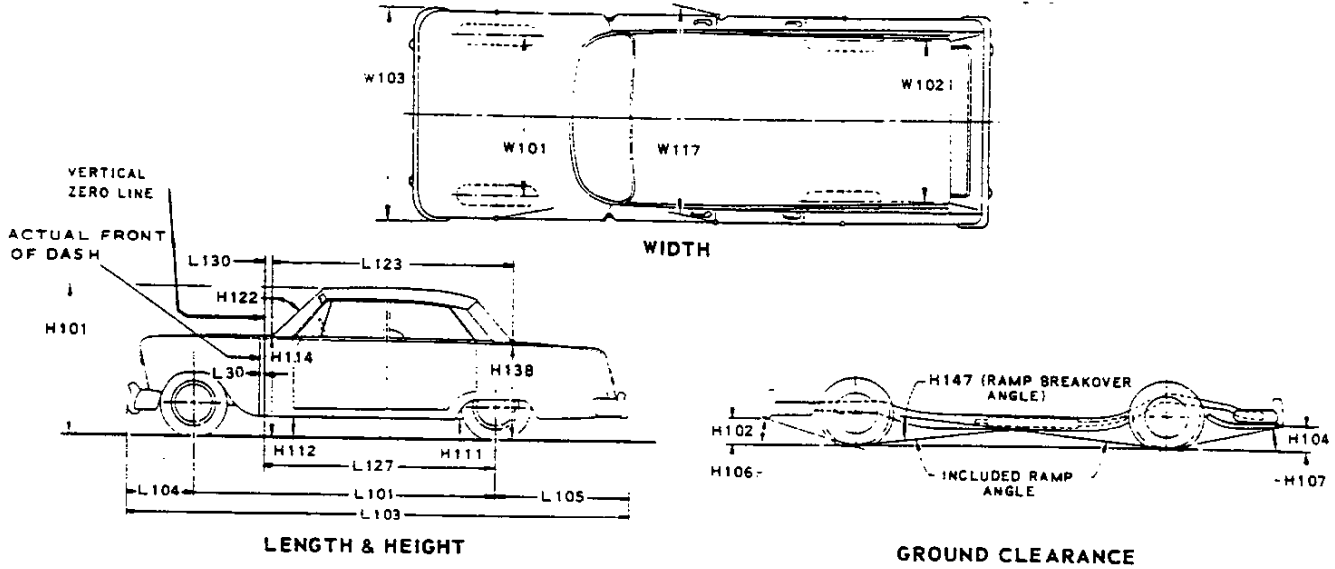
† Reference - SAE Aerospace-Automotive drawing standard, Section E 1.02 (c)

AMA Specifications—Passenger Car

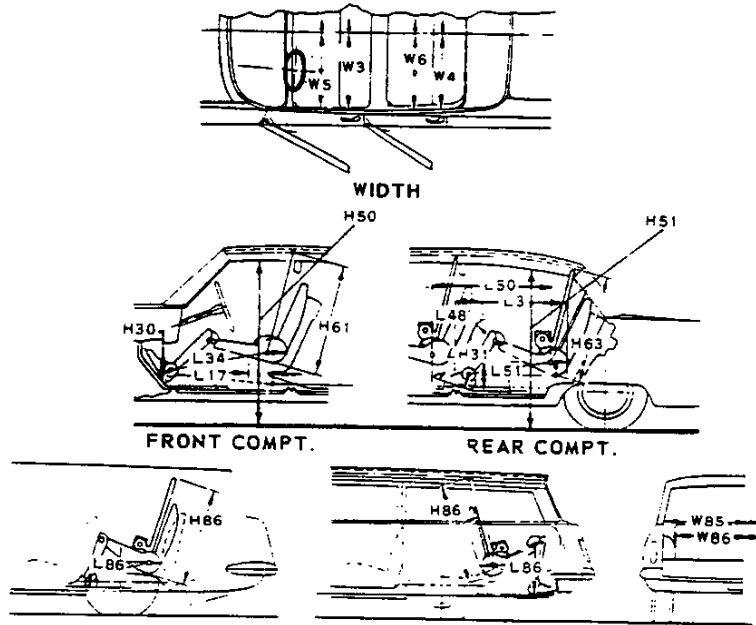
CAR AND BODY DIMENSIONS

KEY SHEET

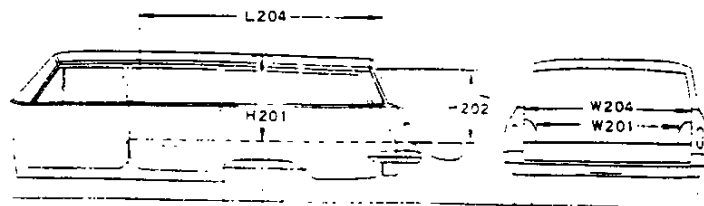
EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CARGO SPACE



AMA Specifications—Passenger Car

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MANUFACTURER Chevrolet Motor Division General Motors Corporation	CAR NAME CHEVELLE
MANUFACTURER ADDRESS Chevrolet Engineering Center 1003 Van Dyke, Warren, Michigan 48090	MODEL YEAR 1970
	ISSUED 10-15-69 REVISED (●)

NOTES:

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

TABLE OF CONTENTS

Car & Body Dimensions	1, 2	Drive Units	14	Suspensions	21
Engine - Mechanical	4	Brakes	18, 19	Weights	24
Electrical	12	Steering	20	Index	27

BODY - TYPES AND STYLE NAMES -

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

	Turbo-Jet 396 V8-402 Cu. In. <u>375 HP</u>	Turbo-Jet 454 V8-454 Cu. In. <u>450 HP</u>
MAJIBU		
2-Door Sport Coupe, 5-Passenger		13637
2-Door Convertible, 5-Passenger		13667
EL CAMINO		
2-Door Sedan Pick-up, 3-Passenger		13680



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Page 1

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (6)

CAR AND BODY DIMENSIONS

See Pages 25, 26 for SAE Dimension Definitions

(All dimensions in inches unless otherwise indicated)

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

MODEL	SAE Ref. No.	2-Door Sport Coupe	Convertible	Sedan Pick-up
WIDTH				
Track - Front	W101		60.0	
Track - Rear	W102		59.8	
Maximum overall car width	W103		75.4	
Body width at No. 2 pillar	W117		--	
LENGTH				
Body "O" to front of dash	L 30		0.0	
Wheelbase	L101	112.0		116.0
Overall car length	L103	197.2		206.5
Overhang - front	L104		37.5	
Overhang - rear	L105	47.7		53.0
Body upper structure length	L123	96.8	94.7	--
Body "O" line to \ominus of rear wheel	L127		95.5	99.5
Body "O" line to w/s cowl point	L130		10.4	--
HEIGHT				
Passenger Distribution (front & rear)			2-3	2-Front
Trunk Cargo load (lbs.)			200	800
Overall height	H101	52.6	52.9	54.4
Cowl height	H114		38.1	
Deck height	H138			39.1
Rocker panel - front	To ground		8.5	9.4
	From front wheel \ominus	H112		
Rocker panel - rear	To ground		7.2	8.5
	From rear wheel \ominus	H111		
Windshield slope angle	H122		53.0	
GROUND CLEARANCE				
Bumper to ground - front	H102	14.3		15.0
Bumper to ground - rear	H104	15.1		11.9
Angle of approach	H106	25.5		26.0
Angle of departure	H107	21.0		16.5
Ramp breakover angle	H147	13.6		15.0
Min. running clearance (Specify)	H156	4.6		5.7

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (1)

CAR AND BODY DIMENSIONS

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

MODEL	SAE Ref. No.	2-Door Sport Coupe		Convertible	Sedan Pick-up
FRONT COMPARTMENT					
Effective head room	H61	37.5		38.3	38.2
Max. effective leg room - accelerator	L34		42.8		42.5
H Point to heel point	H30			8.1	
H Point travel	L17			4.8	
Shoulder room	W 3			58.2	
Hip room	W 5		59.7		59.8
Upper body opening to ground	H50	48.5		48.6	49.7
REAR COMPARTMENT					
H Point couple distance	L50		30.6		
Effective head room	H63	36.3		36.9	
Min. effective leg room	L51		32.3		
H Point to heel point	H31		10.1		
Min. knee room	L48		0.7		
Rear Compartment room	L 3		23.7		
Shoulder room	W 4	56.9		47.9	
Hip room	W 6	52.9		50.4	
Upper body opening to ground	H51				
LUGGAGE COMPARTMENT					
Usable luggage capacity	V 1	14.6		8.5	
Liftover height	H195		25.9		
Position of spare tire storage		Horizontal; right side of trunk		Behind passenger seat	
Method of holding lid open		Boxed hinges with torsion rod		---	
STATION WAGON - THIRD SEAT					
Shoulder room	W85				
Hip room	W86				
Effective leg room	L86				
Effective head room	H86				
Seat facing direction					
STATION WAGON - CARGO SPACE					
Cargo height at floor - front seat	L203				
Cargo height at belt - front seat	L204				
Cargo height - wheelhouse	W201				
Opening height at tail	W202				
Maximum cargo height	H201				
Rear loading height	H202				
Cargo volume index (cu. ft.)	V201				
W4, L2, H2, V, M201					

AMA Specifications - Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio) #	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Standard	Special
Sport Coupe Convertible Pick-up	Turbo-Jet 396 V8 (402 CID) Z25/L78	One; 4-bbl.	11.0:1	375	415	4-Spd. manual (2.52:1 low)	3.55	4.10
				@	@	4-Spd. manual (2.20:1 low)		
				5600	3600	H. D. 4-Spd. manual (2.20:1 low)		
						3-Spd. automatic		
	Turbo-Jet 454 V8 Z25/LS6	One; 4-bbl.	11.25:1	450	500	H. D. 4-Spd. manual (2.20:1 low)	3.31	4.10
				@	@	3-Spd. automatic		
				5600	3600			
* Air Conditioning not available								

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

MODEL	Turbo-Jet 396 V8-375 HP	Turbo-Jet 454 V8-450 HP
ENGINE—GENERAL		
Type, no. cyls., valve arr.	90° V8 OHV	
Bore and stroke (nominal)	4.126 x 3.76	4.251 x 4.00
Piston displacement, cu. in.	402	454
Bore spacing (C to C)	4.84	
No. system	1-3-5-7	
(front to rear) L. Bank	2-4-6-8	
(front to rear) R. Bank	1-8-4-3-6-5-7-2	
Firing order	1-8-4-3-6-5-7-2	
Compress. ratio (nominal)	11.00:1	11.25:1
Cylinder Head Material	Cast iron	
Cylinder Block Material	Cast iron	
Cyl. Sleeve, wet, dry, none	None	
Number of	Two	
mtg. points	One	
Engine installation angle	4° 46'	
Taxable $\frac{\text{Dia}^2 \times \text{No. Cyl.}}{\text{horsepower} \times 2.5}$	54.5	57.8
Publishing max. bhp* @ eng. RPM	375 @ 5600	450 @ 5600
Publishing max. torque* (lb. ft. @ RPM)	415 @ 3600	500 @ 3600
Recommended fuel regular—premium	Premium	

ENGINE—PISTONS

Material	Aluminum impact extruded	
Description and finish	Domed head, slipper skirt	
Weight (piston and ring) oz.	23.12	26.80
Clearance (limits)	Top land	.0316 - .0384
	Skirt	.0036 - .0044 (a)
	Bottom	.0038 - .0048 (b)
Ring groove depth	No. 1 ring	.2278 - .2342
	No. 2 ring	.2278 - .2342
	No. 3 ring	.2138 - .2139
	No. 4 ring	None

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

(a) Measured 2.150 from top of piston

(b) Measured 1.910 from top of piston

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

MODEL	Turbo-Jet 396 V8-375 HP	Turbo-Jet 454 V8-450 HP
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ENGINE — RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - Upper material, coating, etc.	
	Lower	Cast alloy iron; barrel face, molybdenum inlay
	Cast alloy iron; inside bevel, tapered face, chrome plated *	
	Width	.0770 - .0780 | .0770 - .0775
Gap		.010 - .020
Oil	Description - material, coating, etc.	
	Multi-piece (2 rails and 1 spacer expander)	
	Rails-steel, chrome plated OD; Expander-stainless steel	
	Width	.1870-.1890 (assembled)
Gap		.015 - .055
Expanders		In oil ring assembly

ENGINE — PISTON PINS

Material		Chromium steel
Length		2.930 - 2.950
Diameter		.9895 - .9898
Type	Locked in rod, in piston, floating, etc.	
	Locked in rod	
	Bush- ing	None
	In rod or piston	
	Material	
Clearance	In piston	.00025 - .00035
	In rod	.00030 - .00040
Direction & amount offset in piston		On center

ENGINE — CONNECTING RODS

Material		Drop forged steel
Weight (oz.)		27.84 | 29.44
Length (center to center)		6.130 - 6.140
Bedding	Material & Type	
	Premium Aluminum	
	Overall length	.847
	Clearance (limits)	.0009 - .0025
End play		.015 - .023

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (•)

MODEL Turbo-Jet 396 V8-375 HP Turbo-Jet 454 V8-450 HP

ENGINE - CRANKSHAFT

Material		Forged steel		
Vibration damper type		Rubber mounted inertia		
End thrust taken by bearing (No.)		5		
Crankshaft end play		.006 - .010		
Main bearings	Material & type	Steel backed insert; copper lead alloy or premium aluminum lining selected for specific application		
	Clearance	No. 1 (.0008-.0020) No. 2, 3 & 4 (.0011-.0023) No. 5 (.0017-.0033)		
	Journal dia. and bearing overall length	No. 1	2.7509 x .992	2.7503 x .992
		No. 2	2.7510 x .992	2.7505 x .992
		No. 3	2.7505 x .992	2.7505 x .992
		No. 4	2.7505 x .992	2.7505 x .992
		No. 5	2.7510 x 1.2525	2.7510 x 1.2525
		No. 6	-	None
No. 7		-	None	
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		2.199-2.200		

ENGINE - CAMSHAFT

Location		In block above crankshaft		
Material		Cast alloy iron		
Bearings	Material	Steel backed babbitt		
	Number	5		
Gear or chain		Chain		
Type of Drive	Crankshaft gear or sprocket material	Steel sprocket		
	Camshaft gear or sprocket material	Nylon teeth with aluminum hub		
	Timing chain	No. of links	50	
		Width	.740	
Pitch		.500		

ENGINE - VALVE SYSTEM

Hydraulic lifters (Std., opt., NA)		Not available	
Valve rotator, type (intake, exhaust)		None	
Rocker ratio		1.70:1	
Operating tappet clearance (indicate hot or cold)	Intake	.024	
	Exhaust	.023	

(Continued)

AMA specifications—passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISION (*)
 Turbo-Jet 390 Turbo-Jet 454
 V8-375 HP V8-450 HP

ENGINE - VALVE SYSTEM (cont.)

Timing (based on top of ramp points)	Intake	Opens (°BTC)	44°
		Closes (°ABC)	92°
		Duration - deg.	316°
	Exhaust	Opens (°BBC)	86°
		Closes (°ATC)	36°
		Duration - deg.	302°
Valve opening overlap			80°
Intake	Material		Alloy steel; aluminized face & head
	Overall length		5.204-5.224
	Actual overall head dia.		2.185-2.195
	Angle of seat & face		46° (seat); 45° (face)
	Seat insert material		None
	Stem diameter		.3712-.3717
	Stem to guide clearance		.0010-.0027
	Lift (± zero lash)		.5197
	Outer spring press. & length	Valve closed (lb. ± in.)	69-81 @ 1.88
		Valve open (lb. ± in.)	228-252 @ 1.38
	Inner spring press. & length	Valve closed (lb. ± in.)	26-34 @ 1.78
		Valve open (lb. ± in.)	81-99 @ 1.28
	Exhaust	Material		High alloy steel; aluminized face & head
Overall length		5.345-5.365	
Actual overall head dia.		1.875-1.885	
Angle of seat & face		46° (seat); 45° (face)	
Seat insert material		None	
Stem diameter		.3705-.3710	
Stem to guide clearance		.0010-.0027	
Lift (± zero lash)		.5197	
Outer spring press. & length		Valve closed (lb. ± in.)	69-81 @ 1.88
		Valve open (lb. ± in.)	228-252 @ 1.38
Inner spring press. & length		Valve closed (lb. ± in.)	26-34 @ 1.78
		Valve open (lb. ± in.)	81-99 @ 1.28

ENGINE - LUBRICATION SYSTEM

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

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

MODEL Turbo-Jet 396 V8-375 HP | Turbo-Jet 454 V8-450 HP

ENGINE - LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. engine rpm)	40 PSI @ 2000 RPM
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part., other)	Full Flow
Filter arrangement (element, complete)	Complete
Capacity of oil 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, SW-30, 10W-30, 10W-40 Below 20° F - 5W, 5W-20, SW-30
Engine Service Reqm't. (MM, MS, etc.)	MS

ENGINE - EXHAUST SYSTEM

Type (serial, single with cross-over, dual, other)	Dual with resonators
Muffler (1 or 2 type (reverse flow, straight thru, separate resonator)	2 mufflers and 2 resonators; 1 transverse resonator on Pick-up
Exhaust pipe dia. (O.D., wall thick.)	Branch 2.00 x .069 laminated (pipe-muffler to resonator) Main 2.50 x .082 laminated
Tail pipe dia. (O.D. & wall thickness)	2.00 x .069

ENGINE - CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard Ventilates to induction system Optional None
Make and model	AC Spark Plug
Location	Left front rocker cover
Control Unit	Energy source (manifold vacuum, carburetor air stream, other) Manifold vacuum
Control method (variable orifice, fixed orifice, other)	Variable orifice
Discharges (to intake manifold, carb. air intake, air cleaner, other)	Intake manifold
Complete system (air filter, breather cap, carburetor air cleaner, other)	Carburetor air cleaner
Flame arrestor (screen, check valve, other)	Screen

AMA Specifications—Passenger Car

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MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

MODEL Turbo-Jet 396 V8-375 HP Turbo-Jet 454 V8-450 HP

ENGINE - EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air injection		
Air Injection Pump	Type	Semi-articulated vane type		
	Displacement	19.3 cubic inch		
	Drive ratio	1.15:1		
	Drive type	Crankshaft pulley		
	Relief valve (type)	Diverter Valve - separate from pump		
Filter (describe)	Centrifugal air cleaner			
Air Injection System	Air distribution (head, manifold, etc.)	Manifold		
	Point of entry	Exhaust ports		
	Injection tube I.D.	.2565		
	Check valve type	Pressure (plate type)		
	Backfire protection (type)	Diverter valve		
Carburetor	Make	Holley		
	Model	3967477 (manual trans.); 3969898 (automatic trans.)		
	Barrel size	1.686 primary & secondary		
	Idle speed	Drive	700 (automatic)	
		Neutral	750 (manual)	
Idle A/F mixture	Not specified			
Aux. Adv. Systems (type)	Transmission controlled vacuum spark advance			
Distributor	Make	Delco-Remy		
	Model	1112000	1111437	
	Centrifugal adv. in crank degrees - eng. rpm	Start (rpm)	1000	1000
		Intermed. points deg. / rpm	15 @ 1800	17 @ 2000
		Max. deg. / rpm	36 @ 5000	26 @ 3800
	Vacuum adv. in crank degrees - eng. rpm	Start (in. Hg)	6.00	7.00
		Intermed. points deg. / in. Hg	None	None
		Max. deg. / in.	15 @ 12	12 @ 16
	Vacuum Source	Carburetor		
	Timing - crank degrees / rpm	4 BTDC @ 750 (manual trans.); 700 (automatic trans.)		
Control System	-----			
Exhaust System	-----			

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

MODEL	Turbo-Jet 396 V8-375 HP	Turbo-Jet 454 V8-450 HP
-------	----------------------------	----------------------------

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

Induction type: Carburetor, fuel injection, supercharger.	Carburetor		
Fuel Tank	Refill capacity (U.S. gals.)	Approximately-20	
	Filler location	Behind hinged rear license plate*	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower right front of engine	
	Pressure range **	7.50 - 9.00	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank	
	Locations	and paper filter in carburetor inlet	
	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
Carburetor	Air cleaner type	Standard	Oil wetted paper element
		Optional	None
	Idle speed (spec. neutral or drive)	Manual	750 (neutral)
		Automatic	700 (drive)
	Idle A/F mix.	Not specified	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
13637	V8-396	Manual	Holley	3967477	One; 4-bbl.	1.69 Primary & Secondary
13667	402CU	Automatic		3969898		
13630	454	Manual	Holley	3967477		
		Automatic		3969898		

* Left quarter panel on Pick-up
 ** Shut off pressure - 1200 RPM at pump outlet

AMA Specifications—Passenger Car

Page

MAKE OF CAR CHEVROLET MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (•)

MODEL Evaporation Emission Control System (California vehicles)

Fuel Tank Capacity - 18 Gals. (approximately)

Components:

Fill Limiter - Shaped metal pan welded inside of gas tank to reserve space for normal gasoline expansion and contraction.

Canister - Canister of activated carbon stores vapors vented from gas tank until removed and burned in the engine.

Constant flow purge line - Incorporates an orifice to regulate flow to manifold under (canister to manifold) all engine operating conditions, including idle.

Variable Flow Purge Line - Becomes functional above engine idle speeds to more (canister to air cleaner) completely purge the canister. (snorkel)

Aluminum Heat Dissipator - Positioned between insulation blocks and intake manifold. Provides optimum heat transfer to surrounding atmosphere.

Carburetor Model No. 's

	<u>V8-396</u> <u>350 HP</u>	<u>V8-454</u> <u>450 HP</u>
Manual	3967479	3967479
Automatic	3969894	3969894

MAKE CHEVETTE MODEL YEAR 1970 DATE ISSUED 10-15-66 REVISED (*)

Turbo-Jet 396
V8-175 HP

Turbo-Jet 454
V8-450 HP

MODEL
ENGINE - COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure		
Radiator cap relief valve pressure	15 ± 1 PSI		
Circulation (Type (choke, bypass))	Choke		
Thermostat (Temps to open at (°F))	177° - 183°		
Fans (centrifugal, other)	Centrifugal		
Water pump (RPM @ 1000 pump rpm)	24 @ 2000	27 @ 2000	
Number of pumps	One		
Drive (V-belt, other)	V-belt		
Bearing type	Permanently lubricated double row ball		
By-pass recirculation type (inter., ext.)	External		
Radiator core type (cellular, tube and fin, other)	Tube and Center		
Cooling system (with heater (qt.))	23	22	
(without heater (qt.))	22	21	
capacity (Opt. equipment-specify (qt.))	24	23	
Water jackets full length of cyl. (yes, no)	Yes		
Water oil around cylinder (yes, no)	Yes		
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.88
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.50
	Bypass	Number and type (molded, straight)	One, molded
		Inside diameter	.745
Fan	Number of blades & spacing	7-staggered	
	Diameter	13.00	
	Ratio fan to crankshaft rev.	.949:1	
	Fan output type	Thermo-modulated, viscous coupling	
	Bearing type	Double row ball	
* Drive belts (indicate belt used by letter)	Fan	A	
	Generator or alternator	A	
	Water Pump	A	
	Power Steering	B	
	Not Designating	Not available	
Air Injection Pump	A		

* Drive	Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle		38.1	42.1									
Nominal		47.3	40.30									
Width		30										

MAKE OF CAR CHEVROLET MODEL YEAR 1968 DATE ISSUED 10-15-69 REVISED (0)

MODEL	Turbo-Jet 396 V8-375 HP	Turbo-Jet 454 V8-450 HP
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ELECTRICAL - SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy 1980030	Delco-Remy 1980080
	Voltage Rtg. & Total Plates		12 volts - 66 plates	12 volts - 78 plates
	SAE Designation & Amp. Hr. Rtg.		61 amp. hr. @ 20 hr. rate	62 amp. hr. @ 20 hr. rate
	Location		Right side of engine compartment	
Terminal grounded		Negative		
Generator or Alternator	Make		Delco-Remy	
	Model		1100837	
	Type and rating		Diode rectified 37 amps	
	Output at engine idle (neutral)		13 amps	
Ratio-Gen. to Cr/s rev.		2.46:1		
Regulator	Make		Delco-Remy	
	Model		1119515	
	Type		Vibrator	
	Cutout relay	Closing voltage generator rpm	None	
		Reverse current to open	None	
	Regulated	Voltage	13.8-14.8 @ 85°F	
		Current		
	Voltage test conditions	Temperature	Operating	
Load		3-8 amperes		
Other		None		

ELECTRICAL - STARTING SYSTEM

Starting Motor	Make		Delco-Remy		
	Model		1108418*		
	Rotation (drive end view)		Clockwise		
Motor control	Switch (solenoid, manual)		Solenoid		
	Starting procedure		Manual-Place gearshift lever in neutral & depress clutch. Automatic-Place control lever in N or P position. Initial Start-Press accelerator to floor & release. Turn ignition to START. release as soon as engine starts.		
	Engagement type		Positive shift solenoid		
Motor Drive	Pinion meshes (front, rear)		Rear		
	Number of teeth	Pinion	9		
		Flywheel	Manual	168	
			Auto	168	
	Flywheel tooth face width	Manual	.4100 - .4220		
	Auto	.4100 - .4220			

* - 1108430 with automatic transmission

MODEL	Turbo-Jet 396 V8-375 HP	Turbo-Jet 454 V8-450 HP
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ELECTRICAL - IGNITION SYSTEM

Type	Conventional - Std., Opt., N.A.	Standard
	Resistorized - Std., Opt., N.A.	Not available
	(Specify)	None
Coil	Make	Delco-Remy
	Model	1115293
	Resistance	Engine stopped 4.0 Engine idling 1.8
Distributor	Make	
	Model	
	Start (rpm)	
	Intermediate points deg. 3 rpm	
	Max. deg. 3 rpm	
	Start (in. Hg.)	
Timing	Intermediate points, deg. 3 in. Hg.	
	Max. deg. in. Hg.	
	Breaker gap (in.)	.019
Timing	Cam angle (deg.)	28-30
	Breaker arm tension (oz.)	28-32
	Crankshaft deg. 3 rpm	Refer to page nine
Spark Plug	Mark location	Torsional damper
	Make	AC Spark Plug
	Model	AC R43T
Cable	Thread (mm)	14
	Tightening torque (lb. ft.)	25
	Die	.033 - .038
Cable	Conductor type	Linen core impregnated with electrical conducting material
	Insulation type	Rubber with neoprene jacket
	Spark plug protector	Neoprene
ELECTRICAL - SUPPRESSION		
Locations	Type	Non-metallic high ignition cable.

REFER TO PAGE NINE

AMA Specifications - Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

MODEL	Turbo-Jet 396 V8-375 HP	Turbo-Jet 454 V8-450 HP
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ELECTRICAL - INSTRUMENTS AND EQUIPMENT

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

DRIVE UNITS - CLUTCH (Manual Transmission)

Make & type	Chevrolet, single dry disc, centrifugal	
Type pressure plate springs	Diaphragm, bent finger design	
Total spring load (lb.)	2450-2750 | 2600-2800	
No. of clutch driven discs	One	
Clutch facing	Material	Woven type asbestos
	Outside & inside dia.	11.00 x 6.50
	Total eff. area (sq. in.)	123.70
	Thickness	.140
	Engagement cushioning method	Flat spring steel between facings
Release bearing	Type & method of lubrication	Single row ball, packed and sealed
Torsional damping	Methods: springs, friction material	Coil springs

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MODEL Turbo-Jet 396 & 454

DRIVE UNITS — TRANSMISSIONS

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

DRIVE UNITS — MANUAL TRANS.

Number of forward speeds	Four		
Transmission ratios	In first	2.52	2.20
	In second	1.88	1.64
	In third	1.46	1.27
	In fourth	1.00	1.00
	In reverse	2.59	2.26
Synchronous meshing, specify gears	All forward speeds		
Shift lever location	Floor mounted		

Lubricant	Capacity (qt.)	3
	Type recommended	Meeting Military Specs. MIL-L-2105B
	SAE vis. number	SAE 80
	SAE vis. number	SAE 80
	SAE vis. number	SAE 80

DRIVE UNITS — MANUAL TRANS. W/OVERDRIVE

(For transmission data see manual transmission section)

Type (planetary or other)		
Manual lockout (yes, no)		
Downshift accelerator control (yes, no)		
Minimum engine speed		
Gear ratio		
Lubricant	Capacity (qt.) (Overdrive only)	
	Temperature filler (yes, no)	
	Type recommended	
	SAE vis. number	
	SAE vis. number	

NOT AVAILABLE

AMA Specifications—Passenger Car

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MODEL	Turbo-Jet 396 V8-375 HP	Turbo-Jet 454 V8-450 HP
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DRIVE UNITS – AUTOMATIC TRANSMISSION

Trade name	Turbo Hydra-Matic			
Type describe	Torque converter with planetary gears			
Selector location	Lever, steering column; floor mounted when used with console and optional bucket seats			
List gear ratios Selector Pattern and indicate which are used in each selector position	P-Park R-2.08 N-Neutral D-2.48-1.48-1.00 L ₂ -2.88-1.48 L ₁ -2.48			
Max. upshift speed—drive range	1-2 51;	2-3 92	1-2 51;	2-3 96
Max. kickdown speed—drive range	2-1 34;	3-2 84	2-1 33;	3-2 91
Torque converter	Number of elements	3		
	Max. ratio at stall	2.10		
Type of cooling (air, liquid)	Type of cooling (air, liquid)	Water		
	Nominal diameter	12.20		
Lubricant	Capacity—refill (pt.)	8		
	Type recommended	A suffix A		
Special transmission features				

DRIVE UNITS – PROPELLER SHAFT

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

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

(Continued)

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MODEL Turbo-Jet 396 & 454

DRIVE UNITS – PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	- - -
Slip Yoke	Type	Yoke
	Number of teeth	27
	Pin line O.D.	1.1750-1.1752
Universal joints	Make and Mfg. No.	Chevrolet
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	U-bolt
	Bearing	Type (plain, anti-friction)	Anti-friction
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

DRIVE UNITS – AXLE

Type (front, rear)	Rear	
Description	Semi-floating, overhung hypoid pinion and ring gear	
Limited Slip differential, type	Cone clutches or dual disc clutches	
Drive Pinion Offset	1.50	
No. of differential pinions	Two	
Pinion adjustment (shim, other)	Shim	
Pinion bearing adj. (shim, other)	Collapsible sleeve	
Wheel bearing type	Direct on single row cylindrical	
Capacity (wt.)	4.25 (8.875 ring gear)	
Type recommended	Meeting Military Specs. MIL-L-2105B	
Lubricant	SAE vis. Summer	SAE 80
	SAE vis. Winter	SAE 80
	SAE vis. Extreme cold	SAE 80

AXLE RATIO TOOTH COMBINATIONS

(See page 1 for axle ratio usage.)

Axle ratio	3.31	3.55	4.10
No. of teeth	13	11	10
Ring gear teeth	43	39	41
Ring Gear Ratio		3.875	

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MODEL Turbo-Jet 396 & 454

DRIVE UNITS—WHEELS

Type & material		Short spoke disc; steel	
Rim (size & flange type)	Std.	14 x 7 JJ	
	Opt.	None	
Attachment	Type (bolt or stud)	Stud	
	Circle diameter	4.75	
	Number and size	5 hex. nuts 7/16-20 UNF-2B	

MODEL _____

DRIVE UNITS—TIRES

Standard	Size, load range & ply		F70 x 14 - Coupe and Convertible G70 x 14 - Pick-up	
	Type (bias, radial, etc.)		Fiberglass bias belted	
	Full rated Inflation Press.	Front	Cold 24; Hot 30	
		Rear	Cold 28; Hot 34	
	Rev. Mile at 45MPH		787 (F70 x 14); 778 (G70 x 14)	
Optional	Size, ply rating, & ply			

BRAKES—PARKING

Type of control		Foot pedal apply; handle release	
Location of control		On instrument panel, left of steering column	
Operates on		Rear service brakes	
If sepa.	Type (internal or external)	--	
rate from	Drum diameter	--	
service brakes	Lining size (length x width x thickness)	--	

* Pressures shown are up to base vehicle load limit

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Turbo-Jet 396 & 454

MODEL _____

BRAKES—SERVICE

Type (disc, drum, disc & no. of pistons)		Disc-front; Drum-rear (a)		
Self-energizing (std., opt., N.A.)		Standard		
Special type (proportion, delay, Valving metering, other)		Metering and proportioning		
Power brake make & type (remote int., etc.)	Std. Opt.	Delco-Moraine power unit, integral		
Effective area (sq. in.) *		106.1		
Gross lining area (sq. in.) **		118.1		
Swept area (sq. in.) ***		332.4		
Front to Rear Effectiveness Relationship		--		
Drum	Diameter (nominal)	Front	--	
		Rear	9.5	
Type and material		Composite; cast iron rim, steel web		
Rotor	Outer working diameter		11.00	
	Inner working diameter		7.18	
	Working width		1.00	
	Material & type (vented/solid)		Cast iron; vented	
Wheel cylinder bore	Front		2.938	
	Rear		.875	
Master Cylinder	Bore		1.125	
	Displacement	Front %	73	
	Distribution	Rear %	27	
Pedal ratio		3.53		
Line pressure at 100 lb. pedal load		1025		
Shoe Clearance	Front		Self adjusting	
	Rear		Self adjusting	
Bonded or riveted		Front-riveted; Rear-bonded		
Brake lining	Front wheel	Material	Molded asbestos	
		Size (length x width x thickness)	5.96 x 2.21 x .41	
		Prim. or out-board / Second. or in-board	5.96 x 2.21 x .41	
	Segments per shoe		One	
	Rear wheel	Material	Molded asbestos	
		Size (length x width x thickness)	9.01 x 2.0 x .17	
Prim. or out-board / Second. or in-board		9.01 x 2.0 x .17		
Segments per shoe		One		

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

(a) Disc—single piston, floating caliper; Drum—single piston, duo servo

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MODEL Turbo-Jet 396 & 454

STEERING

Manual (std., opt., NA)		Standard-energy absorbing steering column	
Power (std., opt., NA)		Standard	
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: tilt achieved with universally-jointed steering shaft at base of steering wheel; 5 inch vertical travel range	
	std., opt., NA	Optional	
Wheel diameter	Manual	16.25 x 15.50 (oval)	
	Power	Same as manual	
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	45.5
		Curb to curb (l. & r.)	42.0
	Inside rear	Wall to wall (l. & r.)	
		Curb to curb (l. & r.)	
Manual	Gear	Type	Semi-reversible, recirculating ball nut
		Make	Saginaw Steering
		Ratios	Gear 24:1 Overall 28.7:1
	No. wheel turns (stop to stop)		5.5
	Type (coaxial, linkage, etc.)		Integral gear with vane type pump
Power	Gear	Make	Saginaw Steering
		Type	Same as manual
		Ratios	Gear 16.1-12.4:1 (Coupe & Convertible) 17.5:1 Pick-up Overall 18.7-12.4:1 (Coupe & Convertible) 20.3:1 Pick-up
	Pump driven by		Crankshaft pulley
	No. wheel turns (stop to stop)		2.9
Luggage	Type		Parallelogram
	Location (front or rear of wheels, other)		Front of wheels
	Drag link (trans. or longit.)		None
	Tie rods (one or two)		Two
Steering Axis	Inclination or camber (deg.)		7-3/4 to 8-3/4
	Bearings (type)	Upper	Ball stud with non metallic surfaces
		Lower	Ball stud with non metallic surfaces
		Thrust	None
Caster (deg.) Camber (deg.) Toe-in (outside track inches)	Caster (deg.)		N 1-1/2 to N 1/2 (Coupe); N 1 to 0 (Pick-up)
	Camber (deg.)		0 to P 1
	Toe-in (outside track inches)		1/8 to 1/4
Steering spindle & joint type		Forging with pad for mounting brake cylinder; spherical joint	
Wheel Spindle	Diameter	Inner bearing	1.2493-1.2498
		Outer bearing	.7493- .7498
	Thread size		3/4 - 20 NEF - 3 (modified)
	Bearing type		Taber roller

AMA Specifications—Passenger Car

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MODEL Coupe & Convertible Pick-up

SUSPENSION – GENERAL (See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for occ. sauat control	Geometry of rear suspension	
Special provisions for car jacking	Position jack in bumper notch on lower face of front and rear bumper	
Shock absorber	Type	Direct double acting hydraulic
	Make	Delco Products
front & rear	iston dia.	1.00
	Other special features	

SUSPENSION – FRONT

Type and description	Independent-SLA type with coil spring and concentric shock absorber and spherically jointed steering knuckle for each wheel		
Spring	Type	Coil	
	Material	Steel alloy	
	Size (coil design height & I.D., bar length x dia.)	11.7 x 3.63; 125.89 x .659	11.7 x 3.63; 132.05 x .654
	Spring rate (lb. per in.)	435	390
	Rate at wheel (lb. per in.)	150	136.5
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	H. R. steel .812	

SUSPENSION – REAR

Type and description	Linked; salisbury axle fixed by control arms		
Drive and torque taken through	Control arms		
Spring	Type	Coil	
	Material	Steel alloy	
	Size (length x width, coil design height & I.D., bar length & dia.)	9.0 x 5.50; 85.2 x .553	9.0 x 5.50; 105.0 x .592
	Spring rate (lb. per in.)	160	160
	Rate at wheel (lb. per in.)	155	155
	Mounting insulation type	Natural rubber	
	Leaf	No. of leaves	---
Stabilizer	Shackle (comp. or tens.)	---	
	Type (link, linkless, frameless)	None	
	Material	---	
Track bar type	None		

AMA Specifications—Passenger Car

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MODEL Turbo-Jet 396 & 454

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

BODY — MISCELLANEOUS INFORMATION		Sport Coupe	Convertible	Pick-up
Drs. hinged Front doors (front, rr.)			Front	
Rear doors			Front	
Type of finish (lacquer, enamel, other)		Acrylic Lacquer		
Hood counterbalanced (yes, no)		Yes		
Hood release control (internal, external)		External		
Vehicle indent. No. location		Top left of instrument panel pad		
Engine No. location		On top front of RH bank of cylinder & case		
Theft protection - type		Lock; mounted on steering column; locks steering wheel, transmission shift levers & ignition		
Vent window control method (crank, friction pivot)	Front	Friction pivot on Pick-up only		
	Rear	None		
Seat cushion type	Front	Formed wire and foam pad		
	Rear	Formed wire, foam pad and cotton		
	3rd seat			
Seat back type	Front	Formed wire and foam pad		
	Rear	Formed wire, foam pad and cotton		
	3rd seat			
Windshield glass type (i.e., single curved - laminated plate)		Curved - laminated plate		
Side glass type (i.e., curved - tempered plate)		Curved - tempered plate		
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Tempered plate Curved	Tempered plate Flat	
Windshield glass exposed surface area		1208.7	1211.8	1208.7
Side glass exposed surface area		1334.0	1260.4	648.0
Backlight glass exposed surface area		1059.4	539.7	695.6
Total glass exposed surface area		3602.1	3011.9	2552.3

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MODEL Turbo-Jet 396 & 454

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

Power windows	Side windows	Optional
	Rear windows	Not available
	Backlight or tailgate	- - -
Power seats (specify type as well as availability)		Not available
Reclining front seat back (R-L or both)		Not available
Front seat head restraint (R-L or both)		Standard
Radios (specify type as well as availability)		Optional-AM Push-button AM-FM Stereo radio; AM-FM Push-button
Rear seat tracker		Optional
Power antenna		NA
Clock		Optional
Air conditioner (specify type and availability)		Not available
Speed warning device		Not available
Speed control device		Not available
Ignition lock lamp		Not available
Dome lamp		Standard
Glove compartment lamp		Standard
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Optional except Convertible (standard)
Map lamp		Optional
Auto. trunk quad. lamp		Standard
Cornering light lamp		Not available
Finger tip washer-wiper control		Optional
Windshield antenna		Available with factory installed radio

LAMP HEIGHT AND SPACING

Height measured around to center of bulb or marker	Headlamp	Highest *	
		Lowest	
	Tail	Highest	
		Lowest	
Sidemarker	Front		
	Rear		
Distance from C/L of car to center of bulb	Headlamp	Inside	
		Outside	
	Tail	Inside	
		Outside	
	Directional	Front	
		Rear	

* If single headlamps are used enter here

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WEIGHTS

	CURR. WEIGHT POUNDS			PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT		
	Front	Rear	Total	Pass. In Front Front	Pass. In Rear Rear	Front	Rear	Fuel	Coolant	
*Based on with base V8 engine										
MAJIBU										
2-door sport coupe	13637	1864	1547	3411	46.6	53.4	20.0	80.0	122.4	32.9
4-door sport sedan	13639	1905	1608	3513	48.6	51.4	20.6	79.4	122.4	32.9
2-door convertible	13667	1856	1600	3456	46.6	53.4	20.0	80.0	122.4	32.9
4-door sedan	13669	1877	1557	3434	48.6	51.4	20.6	79.4	122.4	32.9
NOMAD										
4-door, 2-seat	13236	1767	2055	3822	48.6	51.4	20.6	79.4	113.2	32.9
GREENBRIER										
4-door, 2-seat	13432	1763	2089	3852	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13446	1747	2151	3898	48.6	51.4	20.6	79.4	113.2	32.9
CHEVELLE										
2-door sport coupe	13437	1836	1526	3362	46.6	53.4	20.0	80.0	122.4	32.9
4-door sedan	13469	1866	1548	3414	48.6	51.4	20.6	79.4	122.4	32.9
CONCOURS										
4-door, 2-seat	13636	1785	2113	3898	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13646	1767	2173	3940	48.6	51.4	20.6	79.4	113.2	32.9
CONCOURS ESTATE										
4-door, 2-seat	13836	1798	2127	3925	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13846	1787	2197	3984	48.6	51.4	20.6	79.4	113.2	32.9
EL CAMINO										
2-door pick-up	13480	1860	1544	3404	49.3	50.7	---	---	122.4	32.9
	13680	1872	1553	3425	49.3	50.7	---	---	122.4	32.9

Accessories & Equipment	Differential Weights	Remarks
250 cu. in. 6 Cyl.	- 8	With Powerglide transmission
250 cu. in. 6 Cyl.	+ 26	With Turbo Hydra-Matic transmission
307 cu. in. V8	+ 18	With 4-speed transmission
307 cu. in. V8	+ 8	With Powerglide transmission
307 cu. in. V8	+ 28	With Turbo Hydra-Matic transmission
350 cu. in. V8 (250 HP)	+ 37	with 3-speed transmission
350 cu. in. V8 (250 HP)	+ 55	With 4-speed transmission
350 cu. in. V8 (250 HP)	+ 39	With Powerglide transmission
350 cu. in. V8 (250 HP)	+ 65	With Turbo Hydra-Matic transmission
350 cu. in. V8 (300 HP)	+ 54	With 4-speed transmission
350 cu. in. V8 (300 HP)	+ 45	With Powerglide transmission
350 cu. in. V8 (300 HP)	+ 75	With Turbo Hydra-Matic transmission
402 cu. in. V8 (330 HP)	+243	With 4-speed transmission
402 cu. in. V8 (330 HP)	+285	With Turbo Hydra-Matic transmission
402 cu. in. V8 (350 HP)	+292	With 4-speed transmission
402 cu. in. V8 (350 HP)	+346	With Turbo Hydra-Matic transmission
454 cu. in. V8 (360 HP)	+348	With H.D. 4-speed transmission
454 cu. in. V8 (360 HP)	+402	With Turbo Hydra-Matic transmission

* Available as "SS" equipment only - includes additional body and chassis equipment.

* Reference - SAE Aerospace Automotive drawing standards, section E-1.92 (d)

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 10-15-69 REVISED (*)

WEIGHTS

Model	CURB WEIGHT * POUNDS			% PASS. WEIGHT DISTRIBUTION				LIQUID WE.	
	Front	Rear	Total	Pass. In Front		Pass. In Rear		Fuel	Oil
				Front	Rear	Front	Rear		
"SS" 396 (L78) *									
2-Door Sport Coupe 13637	2111	1615	3726	46.6	53.4	20.0	80.0	122.4	3
2-Door Convertible 13667	2103	1668	3771	46.6	53.4	20.0	80.0	122.4	3
2-Door Pick-up 13680	2118	1633	3751	49.3	50.7	--	--	122.4	3
"SS" 454 (LS6) *									
2-Door Sport Coupe 13637	2091	1615	3706	46.6	53.4	20.0	80.0	122.4	3
2-Door Convertible 13667	2083	1668	3751	46.6	53.4	20.0	80.0	122.4	3
2-Door Pick-up 13680	2098	1633	3731	49.3	50.7	--	--	122.4	3

* The total weight includes, in addition to the vehicle and engine weights, all equipment mandatory to this option. (Power disc brakes, special suspension, 4-spd. trans. and tires)

Accessories & Equipment Differential Weights				Remarks
Turbo Hydra-Matic Trans.	54	11	65	with L78
	45	9	54	with LS6
Bucket Seats	11	9	20	Coupe & Convertible
	21	17	38	Pick-up
Floor Console	6	3	9	with 4-Spd. Trans.
	11	4	15	with Turbo Hydra-Matic
Power Steering	20	2	29	
Ducted Hood	7	7	14	
Evaporative Emission Cnt.	4	1	5	
Radio Push-button	4	2	3	
Radio Stereo	12	4	16	
Heavy Duty Clutch	0	1	10	

* Reference - SAE Aerospace-Automotive drawing standards, Section E 1.22.13

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1970 DATE ISSUED 2-69 REVISED 2-70

WEIGHTS

	CURB WEIGHT* POUNDS			PASS. WEIGHT DISTRIBUTION				LIQUID WEIGHT		
	Front	Rear	Total	Pass. - Front		Pass. - Rear		Fuel	Coolant	
				Front	Rear	Front	Rear			
Models with base V8 engine										
MALIBU										
2-door sport coupe	13637	1864	1547	3411	46.6	53.4	20.0	50.0	122.4	32.9
4-door sport sedan	13639	1905	1608	3513	48.6	51.4	20.6	79.4	122.4	32.9
2-door convertible	13667	1856	1600	3456	46.6	53.4	20.0	50.0	122.4	32.9
4-door sedan	13669	1877	1557	3434	48.6	51.4	20.6	79.4	122.4	32.9
NOMAD										
4-door, 2-seat	13236	1767	2055	3822	48.6	51.4	20.6	79.4	113.2	32.9
GREENBRIER										
4-door, 2-seat	13430	1763	2089	3852	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13446	1747	2151	3898	48.6	51.4	20.6	79.4	113.2	32.9
CHEVELLE										
2-door sport coupe	13437	1830	1525	3362	46.6	53.4	20.0	50.0	122.4	32.9
4-door sedan	13469	1860	1548	3414	48.6	51.4	20.6	79.4	122.4	32.9
CONCOURS										
4-door, 2-seat	13636	1785	2113	3898	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13646	1767	2173	3940	48.6	51.4	20.6	79.4	113.2	32.9
CONCOURS ESTATE										
4-door, 2-seat	13836	1798	2127	3925	48.6	51.4	20.6	79.4	113.2	32.9
4-door, 3-seat	13846	1787	2197	3984	48.6	51.4	20.6	79.4	113.2	32.9
EL CAMINO										
2-door pick-up	13480	1860	1544	3404	49.3	50.7	---	---	122.4	32.9
	13680	1872	1553	3425	49.3	50.7	---	---	122.4	32.9

Accessories & Equipment Differential Weights	Remarks
250 cu. in. 6 Cyl.	- 8 With Powerglide transmission
250 cu. in. 6 Cyl.	- 20 With Turbo Hydra-Matic transmission
307 cu. in. V8	- 18 With 4-speed transmission
307 cu. in. V8	+ 3 With Powerglide transmission
307 cu. in. V8	+ 28 With Turbo Hydra-Matic transmission
350 cu. in. V8 (250 HP)	+ 37 With 3-speed transmission
350 cu. in. V8 (250 HP)	+ 55 With 4-speed transmission
350 cu. in. V8 (250 HP)	+ 39 With Powerglide transmission
350 cu. in. V8 (250 HP)	+ 65 With Turbo Hydra-Matic transmission
350 cu. in. V8 (300 HP)	+ 54 With 4-speed transmission
350 cu. in. V8 (300 HP)	+ 45 With Powerglide transmission
350 cu. in. V8 (300 HP)	+ 75 With Turbo Hydra-Matic transmission
402 cu. in. V8 (330 HP)	+243 With 4-speed transmission
402 cu. in. V8 (330 HP)	+285 With Turbo Hydra-Matic transmission
402 cu. in. V8 (350 HP)*	+292 With 4-speed transmission
402 cu. in. V8 (350 HP)*	+340 With Turbo Hydra-Matic transmission
454 cu. in. V8 (360 HP)*	-348 With H.D. 4-speed transmission
454 cu. in. V8 (360 HP)*	-402 With Turbo Hydra-Matic transmission

* Available as "SS" equipment only - includes additional body and chassis equipment.

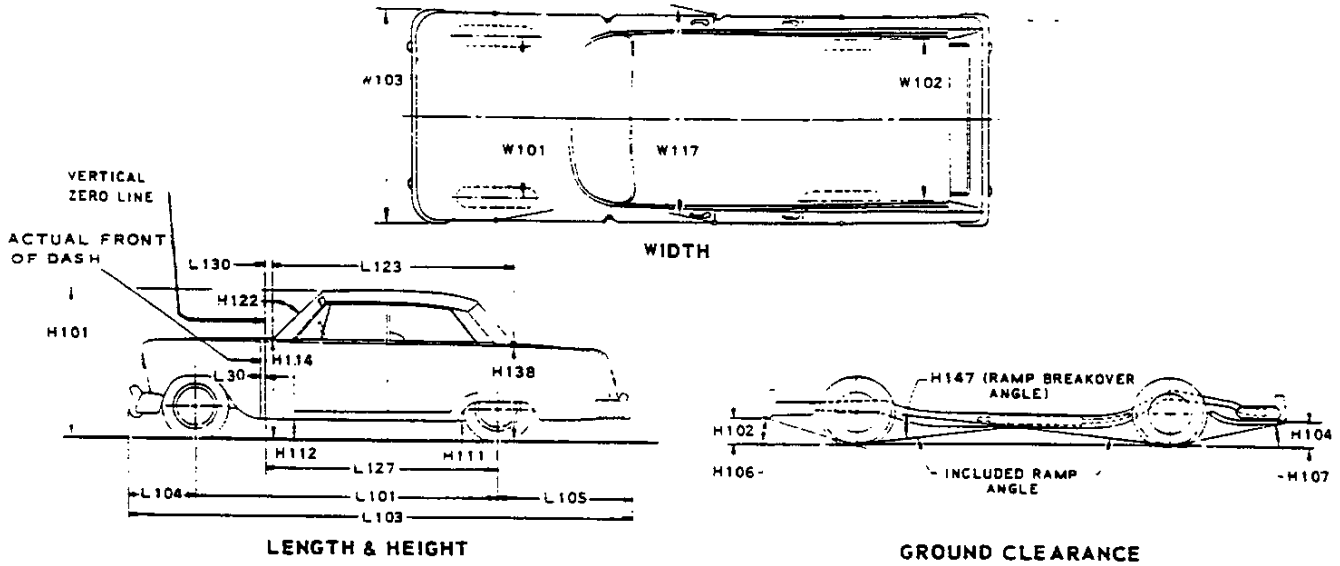
* Reference - SAE Aerospace-Automotive drawing standard, Section E 1.02 a

AMA Specifications—Passenger Car

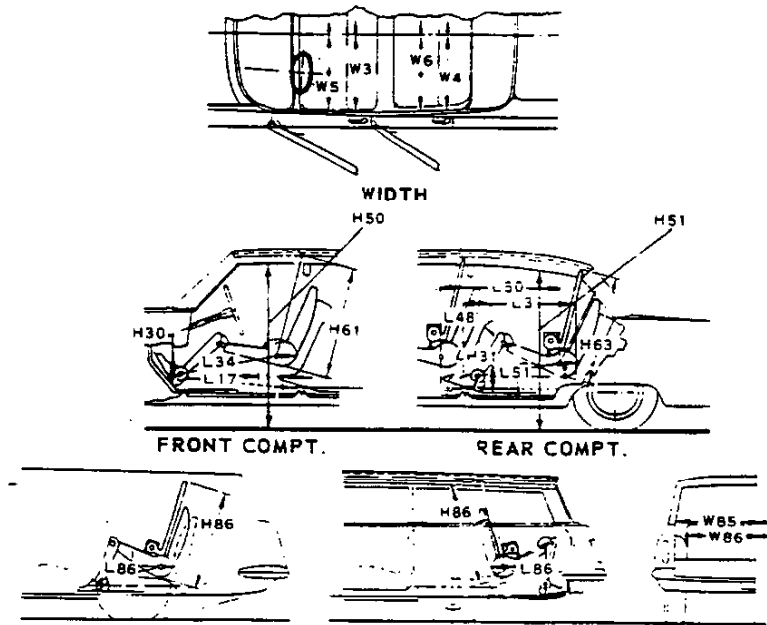
CAR AND BODY DIMENSIONS

KEY SHEET

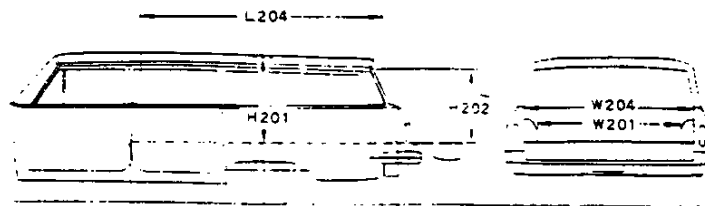
EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CARGO SPACE



CAR AND BODY DIMENSIONS

KEY SHEET

DIMENSION DEFINITIONS

EXTERIOR WIDTH DIMENSIONS

- A101 WHEEL TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- A102 WHEEL TREAD - REAR. Measured at centerline of tires at ground.
- A103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- A117 MAXIMUM BODY WIDTH AT C PILLAR. Measured across body at C pillar, excluding hardware and applied moldings.

EXTERIOR LENGTH DIMENSIONS

- L100 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.
- L130 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.

EXTERIOR HEIGHT DIMENSIONS

- H101 OVERALL HEIGHT - DESIGN. Measured with the vehicle in Manufacturer's Design height attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H113 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.
- 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.
- 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.

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, 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.
- H155 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.

FRONT COMPARTMENT DIMENSIONS

- H 61 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.
- L 34 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 87° and the toes touching the pedal.
- H 39 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L 17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

FRONT COMPARTMENT DIMENSIONS (Cont.)

- H 71 SHOULDER ROOM - FRONT. The minimum lateral dimension between the door garnish moldings or nearest interference, measured at the H Point station.
- H 50 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.
- H 50 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

- L 50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H 63 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.
- L 51 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.
- H 31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L 48 MINIMUM KNEE ROOM - REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L 3 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.
- W 4 SHOULDER ROOM - REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.
- W 6 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.
- H 51 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

- V 1 LUGGAGE CAPACITY - USABLE. The total luggage compartment luggage capacity in cubic feet with 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

- W 85 SHOULDER ROOM - THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W 86 HIP ROOM - THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L 86 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 of rear closure.
- H 86 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

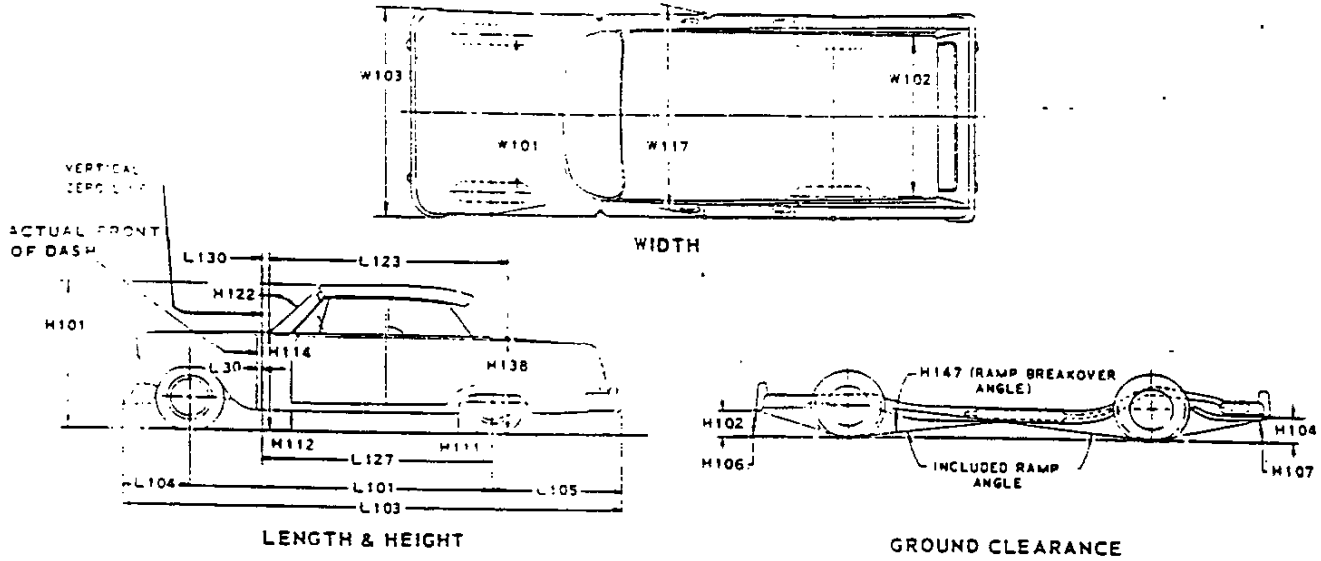
- L202 CARGO LENGTH AT FLOOR - FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT - FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH - WHEELHOUSE. The minimum horizontal dimension, measured between wheelhouses 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 a normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and lift gates fully open.
- V 2 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.

*4xL204xH201

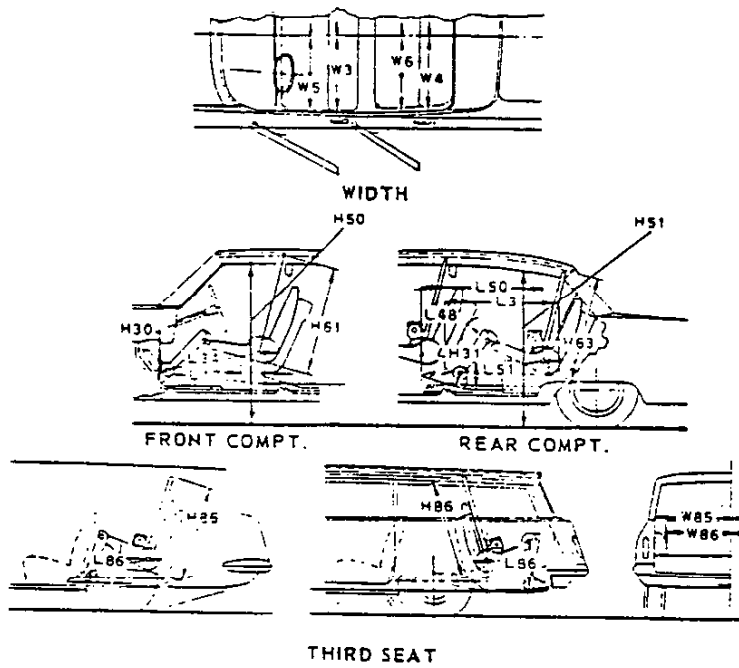
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CAR AND BODY DIMENSIONS
KEY SHEET

EXTERIOR CAR AND BODY DIMENSIONS



INTERIOR CAR AND BODY DIMENSIONS



CARGO SPACE

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