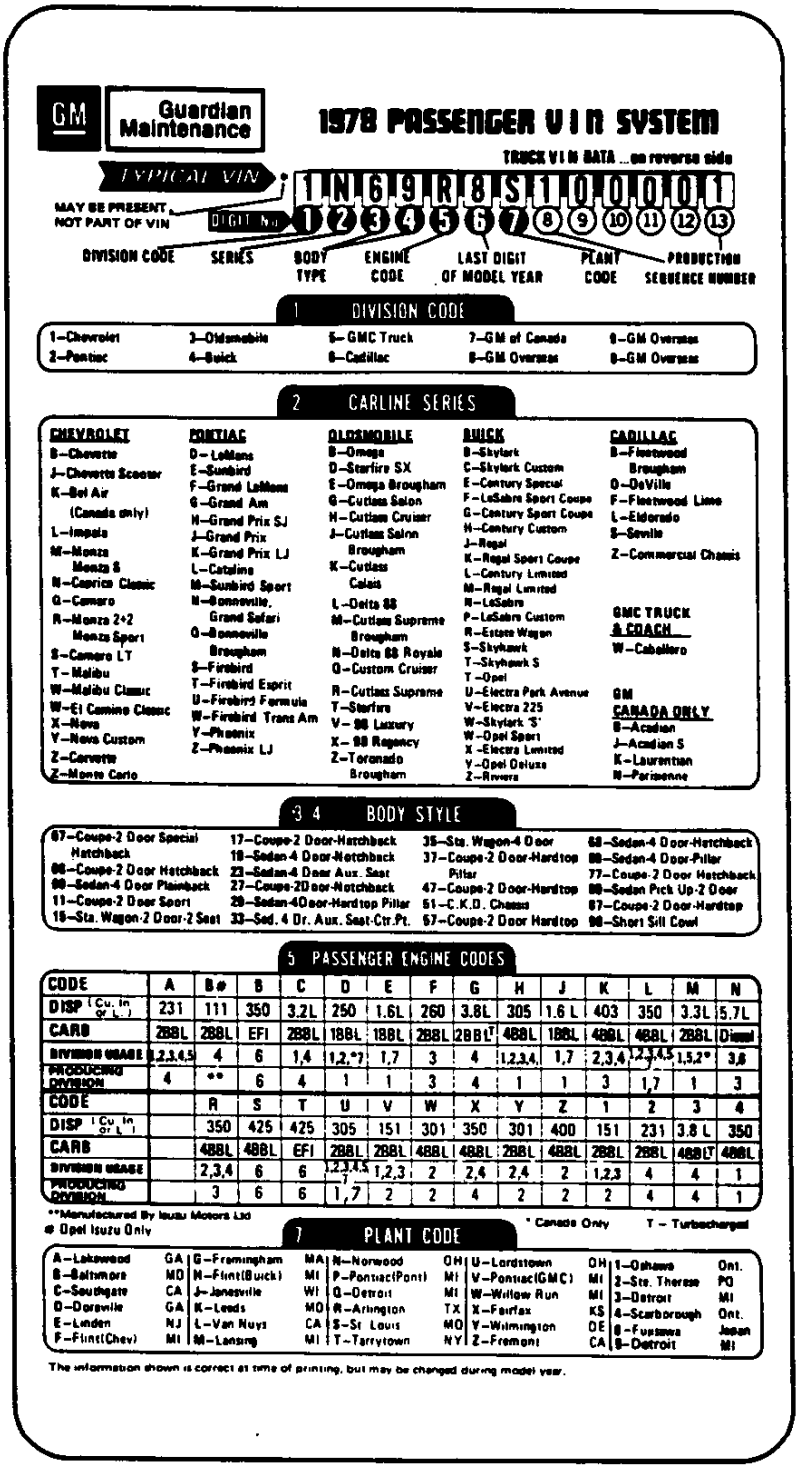
1978 CHEVROLET SEDAN RESTORATION PACKAGE

General Motors

Passenger Car 1978

VIN System



GM Guardian Maintenance

1978 PASSENGER VIN SYSTEM

TRUCK VIN DATA ...on reverse side

TYPICAL VIN: 1 N 6 9 R 8 S 1 0 0 0 1

MAY BE PRESENT, NOT PART OF VIN — DIGIT No. 1 2 3 4 5 6 7 8 9 10 11 12 13

DIVISION CODE | SERIES | BODY TYPE | ENGINE CODE | LAST DIGIT OF MODEL YEAR | PLANT CODE | PRODUCTION SEQUENCE NUMBER

1 DIVISION CODE

1—Chevrolet	3—Oldsmobile	5—GMC Truck	7—GM of Canada	9—GM Overseas
2—Pontiac	4—Buick	6—Cadillac	8—GM Overseas	0—GM Overseas

2 CARLINE SERIES

CHEVROLET
B—Chevette
J—Chevette Scooter
K—Bel Air (Canada only)
L—Impala
M—Monza, Monza S
N—Caprice Classic
Q—Camaro
R—Monza 2+2, Monza Sport
S—Camaro LT
T—Malibu
W—Malibu Classic
W—El Camino Classic
X—Nova
Y—Nova Custom
Z—Corvette
Z—Monte Carlo

PONTIAC
D—Lemans
E—Sunbird
F—Grand LeMans
G—Grand Am
H—Grand Prix SJ
J—Grand Prix
K—Grand Prix LJ
L—Catalina
M—Sunbird Sport
N—Bonneville, Grand Safari
Q—Bonneville Brougham
S—Firebird
T—Firebird Esprit
U—Firebird Formula
W—Firebird Trans Am
Y—Phoenix
Z—Phoenix LJ

OLDSMOBILE
B—Omega
D—Starfire SX
E—Omega Brougham
G—Cutlass Salon
H—Cutlass Cruiser
J—Cutlass Salon Brougham
K—Cutlass Calais
L—Delta 88
M—Cutlass Supreme Brougham
N—Delta 88 Royale
Q—Custom Cruiser
R—Cutlass Supreme
T—Starfire
V—98 Luxury
X—98 Regency
Z—Toronado Brougham

BUICK
B—Skylark
C—Skylark Custom
E—Century Special
F—LeSabre Sport Coupe
G—Century Sport Coupe
H—Century Custom
J—Regal
K—Regal Sport Coupe
L—Century Limited
M—Regal Limited
N—LeSabre
P—LeSabre Custom
R—Estate Wagon
S—Skyhawk
T—Skyhawk S
T—Opel
U—Electra Park Avenue
V—Electra 225
W—Skylark 'S'
W—Opel Sport
X—Electra Limited
Y—Opel Deluxe
Z—Riviera

CADILLAC
B—Fleetwood Brougham
D—DeVille
F—Fleetwood Limo
L—Eldorado
S—Seville
Z—Commercial Chassis

GMC TRUCK & COACH
W—Caballero

GM CANADA ONLY
B—Acadian
J—Acadian S
K—Laurentian
N—Parisienne

3 4 BODY STYLE

07—Coupe-2 Door Special Hatchback	17—Coupe-2 Door-Hatchback	35—Sta. Wagon-4 Door	68—Sedan-4 Door-Hatchback
08—Coupe-2 Door Hatchback	18—Sedan-4 Door-Notchback	37—Coupe-2 Door-Hardtop Pillar	69—Sedan-4 Door-Pillar
09—Sedan-4 Door Plusback	23—Sedan-4 Door Aux. Seat	47—Coupe-2 Door-Hardtop	77—Coupe-2 Door Hatchback
11—Coupe-2 Door Sport	27—Coupe-2 Door-Notchback	51—C.K.D. Chassis	88—Sedan Pick Up-2 Door
15—Sta. Wagon-2 Door-2 Seat	29—Sedan-4 Door-Hardtop Pillar	57—Coupe-2 Door Hardtop	87—Coupe-2 Door-Hardtop
	33—Sed. 4 Dr. Aux. Seat-Ctr.Pt.		98—Short Sill Cowl

5 PASSENGER ENGINE CODES

CODE	A	B#	B	C	D	E	F	G	H	J	K	L	M	N
DISP (Cu. In. or L.)	231	111	350	3.2L	250	1.6L	260	3.8L	305	1.6 L	403	350	3.3L	5.7L
CARB	2BBL	2BBL	EFI	2BBL	1BBL	1BBL	2BBL	2BBL	4BBL	1BBL	4BBL	4BBL	2BBL	Diesel
DIVISION USAGE	1,2,3,4,5	4	6	1,4	1,2,*7	1,7	3	4	1,2,3,4	1,7	2,3,4	1,2,3,4,5	1,5,2*	3,8
PRODUCING DIVISION	4	**	6	4	1	1	3	4	1	1	3	1,7	1	3
CODE		R	S	T	U	V	W	X	Y	Z	1	2	3	4
DISP (Cu. In. or L.)		350	425	425	305	151	301	350	301	400	151	231	3.8 L	350
CARB		4BBL	4BBL	EFI	2BBL	2BBL	4BBL	4BBL	2BBL	4BBL	2BBL	2BBL	4BBL	4BBL
DIVISION USAGE		2,3,4	6	6	1,2,3,4,5,7	1,2,3	2	2,4	2,4	2	1,2,3	4	4	1
PRODUCING DIVISION		3	6	6	1,7	2	2	4	2	2	2	4	4	1

**Manufactured By Isuzu Motors Ltd
@ Opel Isuzu Only
* Canada Only
T — Turbocharged

7 PLANT CODE

A—Lakewood	GA	G—Framingham	MA	N—Norwood	OH	U—Lordstown	OH
B—Baltimore	MD	H—Flint(Buick)	MI	P—Pontiac(Pont)	MI	V—Pontiac(GMC)	MI
C—Southgate	CA	J—Janesville	WI	Q—Detroit	MI	W—Willow Run	MI
D—Doraville	GA	K—Leeds	MO	R—Arlington	TX	X—Fairfax	KS
E—Linden	NJ	L—Van Nuys	CA	S—St Louis	MO	Y—Wilmington	DE
F—Flint(Chev)	MI	M—Lansing	MI	T—Tarrytown	NY	Z—Fremont	CA

1—Oshawa	Ont.
2—Ste. Therese	PQ
3—Detroit	MI
4—Scarborough	Ont.
6—Fujisawa	Japan
8—Detroit	MI

The information shown is correct at time of printing, but may be changed during model year.

ALPHABETICAL OPTION INDEX

(Not for Ordering Purposes)

Option Number	Description
AK1	BELTS, DELUXE: Color-Keyed Seat and Shoulder
A04	3-SEAT WAGON (Model Option)
AU3	DOOR LOCK SYSTEM, POWER
A01	GLASS, SOFT-RAY TINTED: All Windows
A31	WINDOWS: Power
A42	SEAT, POWER: Six-Way
A90	TRUNK OPENER, POWER
BC5	FLOOR COVERING: Carpeting, Deluxe Cargo Area
BS1	QUIET SOUND GROUP
3X3	ESTATE EQUIPMENT
B10	TAILGATE LOCK, POWER
B37	FLOOR COVERING: Mats, Color-Keyed Floor, Front and Rear
B39	FLOOR COVERING: Carpeting, Deluxe Load Floor
B48	LUGGAGE COMPARTMENT TRIM, DELUXE
B94	MOLDINGS: Body Side
B93	MOLDINGS: Door Edge Guard
B96	MOLDINGS: Wheel Opening
CA1	SKY ROOF, POWER
CD4	WINDSHIELD WIPER EQUIPMENT: Intermittent System
C49	DEFOGGER, REAR WINDOW: Electro-Clear
C50	DEFOGGER, REAR WINDOW: Forced Air
C60	AIR CONDITIONING: Four-Season
C61	AIR CONDITIONING: Comfortron
DF3	MIRRORS: Outside Rearview, LH and RH Remote
D24	CONTAINER, LITTER
D33	MIRROR: Outside Rearview, LH Remote
D34	MIRROR: Visor Vanity
D35	MIRRORS: Sport, LH Remote and RH Manual
D64	MIRROR: Visor Vanity, Illuminated
D68	MIRRORS: Sport, Twin Remote
D94	PAINT: Custom Two-Tone
D85	STRIPING, PIN: Body Side
F40	SUSPENSION EQUIPMENT: Suspension, Heavy-Duty Front and Rear
F41	SUSPENSION EQUIPMENT: Suspension, Sport
G66	SUSPENSION EQUIPMENT: Shock Absorbers, Superlift Rear
G80	AXLE, REAR: Positraction
G92	AXLE, REAR: Performance Ratio
K30	SPEED CONTROL: Cruise-Master
K76	GENERATOR: 61-Amp Delcotron
LG3	ENGINE: 305 Cu. In. V8
LM1	ENGINE: 350 Cu. In. V8
L22	ENGINE: 250 Cu. In. L6
NA2	EMISSION SYSTEMS: Standard Emission Equipment
NA6	EMISSION SYSTEMS: High Altitude Emission Equipment
N33	STEERING WHEEL: Comfortilt
PB2	WHEEL TRIM: Wheel Covers, Sport
P01	WHEEL TRIM: Wheel Covers, Full

Option Number	Description
QBU	TIRES: FR78-15/B Blackwall (Radial)
QBW	TIRES: FR78-15/B White Stripe (Radial)
QCX	TIRES: GR70-15/B White Stripe (Radial)
QDR	TIRES: GR78-15/B White Stripe (Radial)
QDU	TIRES: HR78-15/B Blackwall (Radial)
QEL	TIRES: HR78-15/B White Stripe (Radial)
QKA	TIRES: FR78-15/B Blackwall (Radial)
QKB	TIRES: FR78-15/B White Stripe (Radial)
QKM	TIRES: FR78-15/B Blackwall (Radial)
QKN	TIRES: FR78-15/B White Stripe (Radial)
QMK	TIRES: GR78-15/B White Stripe (Radial)
UA1	BATTERY, HEAVY-DUTY
UE8	CLOCK: Digital
UF7	ECONOMINDER GAGE PACKAGE
UM1	RADIO EQUIPMENT: Stereo Tape System w/AM Radio
UM2	RADIO EQUIPMENT: Stereo Tape System w/AM/FM Stereo Radio
UP5	RADIO EQUIPMENT: AM/FM Citizens Band Radio and Power Antenna
UX6	RADIO EQUIPMENT: Speakers, Dual Front
U05	HORNS, DUAL
U35	CLOCK: Electric
U59	RADIO EQUIPMENT: AM/FM Stereo Radio
U63	RADIO EQUIPMENT: AM Radio
U69	RADIO EQUIPMENT: AM/FM Radio
U75	RADIO EQUIPMENT: Power Antenna
U76	RADIO EQUIPMENT: Windshield Antenna
U30	RADIO EQUIPMENT: Speaker, Rear Seat
VC5	BUMPER EQUIPMENT: Bumper Rub Strips
V01	RADIATOR, HEAVY-DUTY
V30	BUMPER EQUIPMENT: Guards, Bumper, Front and Rear
V55	CARRIER, ROOF
YF5	EMISSION SYSTEMS: California Emission Requirements
ZJ9	LIGHTING, AUXILIARY
ZP2	EXTERIOR/INTERIOR OVERRIDE
ZX5	VALUE APPEARANCE GROUP
Z03	LANDAU (Model Option)
11A	STRIPING: White
13A	STRIPING: Silver
19A	STRIPING: Black
27A	STRIPING: Light Blue
49A	STRIPING: Light Green
54A	STRIPING: Gold
75A	STRIPING: Red
95A	STRIPING: Buckskin
190	MOLDINGS: Black
220	MOLDINGS: Light Blue
440	MOLDINGS: Light Green
610	MOLDINGS: Light Camel
790	MOLDINGS: Dark Carmine

VINYL ROOF SELECTION

WITHOUT D84 CUSTOM TWO-TONE PAINT (with D84, see below)

Vinyl Roof	Code	Exterior Color Availability	
Black	BR	Rec: 11, 15, 19, 61 or 67	Acc: 21, 22, 29, 44, 45, 63, 77 or 79
Blue, Light (Met)	DD	Rec: 11, 21, 22 or 29	Acc: 19
Camel, Light	CC	Rec: 61, 63 or 69	Acc: 11, 19, or 67
Carmine, Dark (Met)	RR	Rec: 79	Acc: 77
Green, Light (Met)	GG	Rec: 11, 44 or 45	Acc: 19
Silver	QQ	Rec: 15 or 19	Acc: 77
White	WW	Rec: All except 15, 61, 69 or 79	Acc: 15, 61, 69 or 79

Rec = Recommended; Acc = Acceptable

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired. CAUTION: Please utilize available color samples when ordering, especially when adding a third color element (Vinyl Top, Exterior Color, Interior Trim) in order to avoid undesirable combinations.

Seat, Headliner and Door Trim Color	Black	Blue	Camel	Carmine	Green	White	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Blue	Camel	Carmine	Green	Black	Blue	Carmine	Green	Saffron

Model	Seat Type										
1BN69	Knit Cloth Bench	PBB1	PDD1	PCC1	PRR1	PGG1					
	Knit Cloth 50/50	PBB3	PDD3	PCC3	PRR3						
	Vinyl Bench		VDD1	VCC1	VRR1						
	Vinyl 50/50		VDD3	VCC3							
	Special Custom Cloth 50/50		LDD3	LCC3	LRR3	LGG3					
1BN47	Knit Cloth Bench	PBB1	PDD1	PCC1	PRR1	PGG1					
	Knit Cloth 50/50	PBB3	PDD3	PCC3	PRR3						
	Vinyl Bench		VDD1	VCC1	VRR1		VWR1	VWD1	VWR1	VWG1	VWS1
	Vinyl 50/50		VDD3	VCC3			VWB3	VWD3	VWR3	VWG3	VWS3
	Special Custom Cloth 50/50		LDD3	LCC3	LRR3	LGG3					

WITHOUT D84 CUSTOM TWO-TONE PAINT

Exterior Paint Color	Color Code L	U	T										
Black	19	19	-	R	A	R	R	A	R		R		R
Blue, Dark (Met)	29	29	22	R	R	A			A	R			
Blue, Light (Met)	22	22	11	A	R				A	R			
Blue, Light	21	21	-	A	R				A	R			
Camel (Met)	63	63	11	A		R			A				
Camel, Dark (Met)	69	69	61	A		R			A				
Camel, Light	61	61	-	R		R	A		A				
Carmine (Met)	77	77	11	A		A	R		A		R		
Carmine, Dark (Met)	79	79	-	A		R	R		A		A		
Green, Light (Met)	44	44	11	A		A		R	A			R	
Green, Medium (Met)	45	45	44	A		A		R	A			R	
Saffron (Met)	67	67	-	R		A			R				R
Silver	15	15	-	R	A		R		R				
White	11	11	-	R	R	R	R	R	R	R	R	R	R

L=Lower U=Upper T=Two-Tone

WITH D84 CUSTOM TWO-TONE PAINT (Refer Page 10 for Accent Colors)

Exterior Paint Color	Color Code L	U	V										
Blue, Light (Met)	22	22	DD	A	R				A	A			
Camel, Light	61	61	CC	A		R							
Carmine, Dark (Met)	79	79	RR	A		R	R				A		A
Green, Light (Met)	44	44	GG	A		A		R				A	
Silver	15	15	QQ	R			R		A				

L=Lower U=Upper V=Vinyl Roof

POWER TEAMS

(Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO 2.41	2.73	3.08
WITHOUT YF5 CALIFORNIA OR NA6 HIGH ALTITUDE EMISSION			
L22	-	Std	-
LG3	Std	-	-
LM1	Std	-	G92
WITH YF5 CALIFORNIA			
L22	-	Std	-
LG3	Std	-	-
LM1	Std	-	G92
WITH NA6 HIGH ALTITUDE EMISSION			
LM1	-	-	Std

CAPRICE COUPES AND SEDANS

REFER STOPS UPDATE

Model

- 1N47 Caprice Classic Sport Coupe
- 1N47/Z03 Caprice Classic Landau Coupe
- 1N69 Caprice Classic 4-Door Sedan

___ Z03 Landau (Reqs Vinyl Roof) (N/A D84 Custom Two-Tone Paint) (Refer Page 10 for Standard Stripe Color Application)

COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

AVAILABLE WITH NA2 STANDARD EMISSION EQUIPMENT

- ___ L22 250 Cu. In. L6
- ___ LG3 305 Cu. In. V8
- ___ LM1 350 Cu. In. V8

AVAILABLE WITH NA6 HIGH ALTITUDE EMISSION EQUIPMENT (Recommended Above 4000 Foot Altitude)

- ___ LM1 350 Cu. In. V8

CALIFORNIA REGISTRATION (REQS YF5)

- ___ L22 250 Cu. In. L6
- ___ LG3 305 Cu. In. V8
- ___ LM1 350 Cu. In. V8

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE OPTION.

		400A	401A	402A	403A	404A
Glass, Soft-Ray Tinted	A01	X	X	X	X	X
Tires, FR78-15/B White Stripe (QKB w/YF5 Calif)	QBW	X	X	X	X	X
Air Conditioning, Four-Season	C60	X	X	X	X	X
Mirror, LH Remote (w/o Z03 Landau)	D33	X	X	X	N/INCL	
Moldings, Door Edge Guard	B93	X	X	X	X	X
Belts, Deluxe	AK1	X	X	X	X	X
Guards, Bumper	V30	X	X	X	X	X
Radio, AM	U63	X	N/INCL			
Moldings, Body Side	B84	X	X	X	X	X
Mats, Color-Keyed Floor	B37		X	X	X	X
Steering Wheel, Comfortilt	N33		X	X	X	X
Speaker, Rear Seat	U80		X	N/INCL		
Bumper Rub Strips	VE5		X	X	X	X
Windows, Power	A31		X	X	X	X
Door Lock System, Power	AU3		X	X	X	X
Speed Control (w/V8 Eng only)	K30		X	X	X	X
Radio, AM/FM	U69		X	N/INCL		
Lighting, Auxiliary	ZJ9		X	X	X	X
Seat, Power	A42			X	X	X
Trunk Opener, Power	A90			X	X	X
Radio, AM/FM Stereo	U58			X	X	NOT INCL
W/S Wiper Equip., Intermittent	CD4			X	X	X
Defogger, Rear Window Electro-Clear	C49			X	X	X
Clock, Digital	UE8			X	X	X
Econominder Gage Package	UF7				X	X
Mirror, Visor Vanity	D34				X	NOT INCL
Mirrors, LH and RH Remote (w/o Z03 Landau)	DF3				X	X
Wheel Covers, Sport (w/o Z03 Landau)	PP2				X	X
Container, Litter	D24				X	X
Mirror, Illuminated Visor Vanity	D64					X
Stereo Tape w/AM/FM Stereo Radio	UM2					X
Luggage Compartment Trim	B48					X
Power Antenna	U75					X

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
	AIR CONDITIONING: (Incls K76 Gen)
___	C61 --Comfortron (N/A L22 Eng)
400	C60 --Four-Season
	AXLES, REAR:
___	G92 --Performance Ratio (Reqs LM1 Eng) (N/A NA6 High Altitude)
___	G80 --Positraction
	UA1 BATTERY, HEAVY-DUTY

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
400	AK1 BELTS, DELUXE: Color-Keyed Seat and Shoulder (Incl w/50/50 Seat)
	BUMPER EQUIPMENT: Front and Rear
401	VE5 --Bumper Rub Strips
400	V30 --Guards, Bumper
402	UE8 CLOCK: Digital
403	D24 CONTAINER, LITTER
	DEFOGGER, REAR WINDOW:
402	C49 --Electro-Clear (Incls K76 Gen w/o C60 Air)
___	C50 --Forced Air (N/A Special Custom Trim or C49 Defogger)
401	AU3 DOOR LOCK SYSTEM, POWER
403	UF7 ECONOMINDER GAGE PACKAGE
	EMISSION SYSTEMS: (MUST ORDER ONLY ONE) (See Power Teams Chart)
	YF5 --California Emission Requirements
___	NA6 --High Altitude Emission Equipment
___	NA2 --Standard Emission Equipment
401	B37 FLOOR COVERING: Mats, Color-Keyed Floor. Front and Rear
___	K76 GENERATOR: 61-Amp Delcotron (Incl w/C49 Defogger, C60 or C61 Air)
400	A01 GLASS, SOFT-RAY TINTED: All Windows
401	ZJ9 LIGHTING, AUXILIARY
404	B48 LUGGAGE COMPARTMENT TRIM, DELUXE
	MIRRORS:
400	D33 --Outside Rearview, LH Remote (N/A Z03 Landau)
403	DF3 --Outside Rearview, LH and RH Remote (N/A Z03 Landau)
___	D68 --Sport, Twin Remote
___	D35 --Sport, LH Remote and RH Manual (Incl w/Z03 Landau)
403	D34 --Visor Vanity
404	D64 --Visor Vanity, Illuminated
	MOLDINGS:
400	B84 --Body Side (Color Keyed)
400	B93 --Door Edge Guard
___	D84 PAINT, CUSTOM TWO-TONE: (N/A Z03 Landau) (Refer Page 2 for Exterior Paint availability and Page 10 for Accent Color)
___	V01 RADIATOR, HEAVY-DUTY
	RADIO EQUIPMENT:
400	U63 --AM Radio
401	U69 --AM/FM Radio
402	U58 --AM/FM Stereo Radio
	UM1 --Stereo Tape System w/AM Radio
404	UM2 --Stereo Tape System w/AM/FM Stereo Radio
	UP5 --AM/FM Citizens Band Radio and Power Antenna (Reqs U80 Speaker)
401	U80 --Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
___	UX6 --Speakers, Dual Front (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM1 or UM2 Radio)
___	U76 --Windshield Antenna (N/A UP5 Radio) (Incl w/above Radio Equip w/o U75 Antenna)
404	U75 --Power Antenna (Reqs U63, U69, U58, UM1 or UM2 Radio) (N/A U76 Antenna or UP5 Radio)
___	... ROOF COVER, VINYL: (See Color and Trim Chart)
402	A42 SEAT, POWER: Six-Way (Driver's side only w/50/50 Seat)
	CA1 SKY ROOF, POWER
401	K30 SPEED CONTROL: Cruise-Master (N/A L22 Eng)
401	N33 STEERING WHEEL: Comfortilt
___	D85 STRIPING, PIN: Body Side (N/A D84 Paint) (Incl w/Z03 Landau) (Refer Page 10 for Standard Stripe Color Application)
	SUSPENSION EQUIPMENT:
___	G66 --Shock Absorbers, Superlift Rear
___	F40 --Suspension, Heavy-Duty Front and Rear (N/A F41 Susp)
___	F41* --Suspension, Sport (Reqs QCX Tires)
	TIRES: (B/W: Blackwall, W/S: White Stripe)
	--Fiberglass Belted Radial Ply (15/B)
___	QKM ---FR78 B/W (Base) (Reqs L22 Eng)
___	QKN ---FR78 W/S (Reqs L22 Eng)
	--Steel Belted Radial Ply (15/B)
	QBU ---FR78 B/W (N/A YF5 Calif Emission)
400	QBW ---FR78 W/S (N/A YF5 Calif Emission)
	QKA ---FR78 B/W (Reqs YF5 Calif Emission)
400	QKB ---FR78 W/S (Reqs YF5 Calif Emission)
___	QCX ---GR70 W/S (PP2 Wheel Covers or Z03 Landau Reqs F41 Susp)
	QDR ---GR78 W/S (N/A YF5 Calif Emission)
___	QMK ---GR78 W/S (Reqs YF5 Calif Emission)
402	A90 TRUNK OPENER, POWER
403	PP2 WHEEL TRIM: Wheel Covers, Sport (N/A Z03 Landau)
401	A31 WINDOWS: Power
402	CD4 WINDSHIELD WIPER EQUIPMENT: Intermittent System

VINYL ROOF SELECTION

WITHOUT D84 CUSTOM TWO-TONE PAINT (with D84, see below)

Vinyl Roof	Code	Exterior Color Availability	
Black	88	Rec: 11, 15, 19, 61 or 67	Acc: 21, 22, 29, 44, 45, 63, 77 or 79
Blue, Light (Met)	DD	Rec: 11, 21, 22 or 29	Acc: 19
Camel, Light	CC	Rec: 61, 63 or 69	Acc: 11, 19, or 67
Carmine, Dark (Met)	RR	Rec: 79	Acc: 77
Green, Light (Met)	GG	Rec: 11, 44 or 45	Acc: 19
Silver	QQ	Rec: 15 or 19	Acc: 77
White	WA	Rec: All except 1", 61, 63 or 79	Acc: 1", 61, 63 or 79

Rec = Recommended; Acc = Acceptable

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired. CAUTION: Please utilize available color samples when ordering, especially when adding a third color element (Vinyl Top, Exterior Color, Interior Trim) in order to avoid undesirable combinations.

Seat, Headliner and Door Trim Color	Black	Blue	Camel	Carmine	Green	White	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Blue	Camel	Carmine	Green	Black	Blue	Carmine	Green	Saffron

Model	Seat Type										
1BL69	Knit Cloth Bench		PDD1	PCC1	PRR1	PGG1					
	Knit Cloth 50/50		PDD3	PCC3	PRR3						
	Vinyl Bench	VBB1	VDD1	VCC1	VRR1						
	Vinyl 50/50		VDD3	VCC3							
1BL47	Knit Cloth Bench		PDD1	PCC1	PRR1	PGG1					
	Knit Cloth 50/50		PDD3	PCC3	PRR3						
	Vinyl Bench	VBB1	VDD1	VCC1	VRR1		VWB1	VWD1	VWR1	VWG1	VWS1
	Vinyl 50/50		VDD3	VCC3							

WITHOUT D84 CUSTOM TWO-TONE PAINT

Exterior Paint Color	Color Code L	U	T										
Black	19	19	-	R	A	R	R	A	R		R		P
Blue, Dark (Met)	29	29	22	A	R	A			A	R			
Blue, Light (Met)	22	22	11	A	R				A	R			
Blue, Light	21	21	-	A	R				A	R			
Camel (Met)	63	63	11	A		R			A				
Camel, Dark (Met)	69	69	61	A		R			A				
Camel, Light	61	61	-	R		R	A		A				
Carmine (Met)	77	77	11	A		A	R		A		R		
Carmine, Dark (Met)	79	79	-	A		R	R		A		A		
Green, Light (Met)	44	44	11	A		A		R	A			R	
Green, Medium (Met)	45	45	44	A		A		R	A			P	
Saffron (Met)	67	67	-	R		A			R				P
Silver	15	15	-	R	A		R		R				
White	11	11	-	R	R	R	R	R	R	R	R	R	P

L=Lower U=Upper T=Two-Tone

WITH D84 CUSTOM TWO-TONE PAINT (Refer Page 10 for Accent Colors)

Exterior Paint Color	Color Code L	U	V										
Blue, Light (Met)	22	22	DD	A	R				A	A			
Camel, Light	61	61	CC	A		R							
Carmine, Dark (Met)	79	79	RR	A		R	R				A		A
Green, Light (Met)	44	44	GG	A		A		R				A	
Silver	15	15	QQ	R			R		A				

L=Lower U=Upper V=Vinyl Roof

POWER TEAMS

(Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO 2.41	2.73	3.08
WITHOUT YF5 CALIFORNIA OR NA6 HIGH ALTITUDE EMISSION			
L22	-	Std	-
LG3	Std	-	-
LM1	Std	-	G92
WITH YF5 CALIFORNIA			
L22	-	Std	-
LG3	Std	-	-
LM1	Std	-	G92
WITH NA6 HIGH ALTITUDE EMISSION			
LM1	-	-	Std

Model

1BL47 Impala Sport Coupe
1BL47/Z03 Impala Landau Coupe
1BL69 Impala 4-Door Sedan

___ Z03 Landau (Reqs Vinyl Roof) (N/A D84 Custom Two-Tone Paint) (Refer Page 10 for Standard Stripe Color Application)

← COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

AVAILABLE WITH NA2 STANDARD EMISSION EQUIPMENT
___ L22 250 Cu. In. L6
___ LG3 305 Cu. In. V8
___ LM1 350 Cu. In. V8

AVAILABLE WITH NA6 HIGH ALTITUDE EMISSION EQUIPMENT (Recommended Above 4000 Foot Altitude)
___ LM1 350 Cu. In. V8

CALIFORNIA REGISTRATION (REQS YF5)
___ L22 250 Cu. In. L6
___ LG3 305 Cu. In. V8
___ LM1 350 Cu. In. V8

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE OPTION.

		4 3 0 B	4 3 1 B	4 3 2 B	4 3 3 B	4 3 4 B
Glass, Soft-Ray Tinted	A01	X	X	X	X	X
Tires, FR78-15/B White Stripe (QKB w/YF5 Calif)	QBW	X	X	X	X	X
Air Conditioning, Four-Season	C60	X	X	X	X	X
Mirror, LH Remote (w/o Z03 Landau)	D33	X	X	X	X	NOT INCL
Radio, AM	U63	X	N/INCL			
Value Appearance Group (w/o Z03 Landau)	ZX5	X	X	X	X	X
Mats, Color-Keyed Floor	B37	X	X	X	X	X
Belts, Deluxe	AK1		X	X	X	X
Moldings, Door Edge Guard	B93		X	X	X	X
Guards, Bumper	V30		X	X	X	X
Speed Control (w/V8 Eng only)	K30		X	X	X	X
Speaker, Rear Seat	U80		X	X	N/INCL	
Radio, AM/FM	U69		X	X	N/INCL	
Steering Wheel, Comfortilt	N33		X	X	X	X
Clock, Electric	U35			X	X	NOT INCL
Bumper Rub Strips	VE5			X	X	X
Defogger, Rear Window Forced Air	C50			X	N/INCL	
Lighting, Auxiliary	ZJ9			X	X	X
Door Lock System, Power	AU3			X	X	X
Quiet Sound Group	BS1			X	X	X
Defogger, Rear Window Electro-Clear	C49				X	X
Horns, Dual	U05				X	X
Windows, Power	A31				X	X
Radio, AM/FM Stereo	U58				X	X
Clock, Digital	UE8					X
Econominder Gage Package	UF7					X
Trunk Opener, Power	A90					X
W/S Wiper Equip., Intermittent	CD4					X
Mirrors, Sport LH Remote and RH Manual	D35					X

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

O-S	OPTION
	AIR CONDITIONING: (Incls K76 Gen)
	C61 --Comfortron (N/A L22 Eng)
430	C60 --Four-Season
	AXLES, REAR:
___	G92 --Performance Ratio (Reqs LM1 Eng) (N/A NA6 High Altitude)
___	G80 --Positraction
___	UA1 BATTERY, HEAVY-DUTY
431	AK1 BELTS, DELUXE: Color-Keyed Seat and Shoulder (Incl w/50/50 Seat)
	BUMPER EQUIPMENT: Front and Rear
432	VE5 --Bumper Rub Strips
431	V30 --Guards, Bumper
	CLOCKS:
434	UE8 --Digital (N/A U35)
432	U35 --Electric (N/A UE8)

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

O-S	OPTION
___	D24 CONTAINER, LITTER
	DEFOGGER, REAR WINDOW:
433	C49 --Electro-Clear (Incls K76 Gen w/o C60 Air)
432	C50 --Forced Air (N/A C49 Defogger)
432	AU3 DOOR LOCK SYSTEM, POWER
434	UF7 ECONOMINDER GAGE PACKAGE
	EMISSION SYSTEMS: (MUST ORDER ONLY ONE) (See Power Teams Chart)
___	YF5 --California Emission Requirements
___	NA6 --High Altitude Emission Equipment
___	NA2 --Standard Emission Equipment
430	B37 FLOOR COVERING: Mats, Color-Keyed Floor, Front and Rear
___	K76 GENERATOR: 61-Amp Delcotron (Incl w/C49 Defogger, C60 or C61 Air)
430	A01 GLASS, SOFT-RAY TINTED: All Windows
433	U05 HORNS, DUAL
432	ZJ9 LIGHTING, AUXILIARY
___	B48 LUGGAGE COMPARTMENT TRIM, DELUXE
	MIRRORS:
430	D33 --Outside Rearview, LH Remote (N/A Z03 Landau)
___	DF3 --Outside Rearview, LH and RH Remote (N/A Z03 Landau)
	D68 --Sport, Twin Remote
434	D35 --Sport, LH Remote and RH Manual (Incl w/Z03 Landau)
___	D34 --Visor Vanity
___	D64 --Visor Vanity, Illuminated
	MOLDINGS:
___	B84 --Body Side (Color Keyed) (Incl w/ZX5 Value App Group)
431	B93 --Door Edge Guard
___	√B96 --Wheel Opening (Incl w/ZX5 Value App Group or Z03 Landau)
___	D84 PAINT, CUSTOM TWO-TONE: (N/A Z03 Landau) (Refer Page 4 for Exterior Paint availability and Page 10 for Accent Color)
432	BS1 QUIET SOUND GROUP
___	V01 RADIATOR, HEAVY-DUTY
	RADIO EQUIPMENT:
430	U63 --AM Radio
431	U69 --AM/FM Radio
433	U58 --AM/FM Stereo Radio
___	UM1 --Stereo Tape System w/AM Radio
___	UM2 --Stereo Tape System w/AM/FM Stereo Radio
___	UP5 --AM/FM Citizens Band Radio and Power Antenna (Reqs U80 Speaker)
431	U80 --Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
___	UX6 --Speakers, Dual Front (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM1 or UM2 Radio)
___	U76 --Windshield Antenna (N/A UP5 Radio) (Incl w/above Radio Equip w/o U75 Antenna)
___	U75 --Power Antenna (Reqs U63, U69, U58, UM1 or UM2 Radio) (N/A U76 Antenna or UP5 Radio)
___	... ROOF COVER, VINYL: (See Color and Trim Chart)
___	A42 SEAT, POWER: Six-Way (Driver's side only w/50/50 Seat)
	CA1 SKY ROOF, POWER
431	K30 SPEED CONTROL: Cruise-Master (N/A L22 Eng)
431	N33 STEERING WHEEL: Comfortilt
___	D85 STRIPING, PIN: Body Side (N/A D84 Paint) (Incl w/Z03 Landau) (Refer Page 10 for Standard Stripe Color Application)
	SUSPENSION EQUIPMENT:
	G66 --Shock Absorbers, Superlift Rear
___	F40 --Suspension, Heavy-Duty Front and Rear (N/A F41 Susp)
___	F41 --Suspension, Sport (Reqs QCX Tires)
	TIRES: (B/W: Blackwall, W/S: White Stripe) --Fiberglass Belted Radial Ply (15/B)
___	QKM ---FR78 B/W (Base) (Reqs L22 Eng)
___	QKN ---FR78 W/S (Reqs L22 Eng) --Steel Belted Radial Ply (15/B)
	QBU ---FR78 B/W (N/A YF5 Calif Emission)
430	QBW ---FR78 W/S (N/A YF5 Calif Emission)
	QKA ---FR78 B/W (Reqs YF5 Calif Emission)
430	QKB ---FR78 W/S (Reqs YF5 Calif Emission)
___	QCX ---GR70 W/S (PB2 Wheel Covers or Z03 Landau Reqs F41 Susp)
___	QDR ---GR78 W/S (N/A YF5 Calif Emission)
___	QMK ---GR78 W/S (Reqs YF5 Calif Emission)
434	A90 TRUNK OPENER, POWER
430	ZX5 VALUE APPEARANCE GROUP: (N/A Z03 Landau) (Incls P01 Wheel Covers, B84 and B96 Mldgs)
	WHEEL TRIM: (N/A Z03 Landau)
___	P01 --Wheel Covers, Full (Incl w/ZX5 Value App Group)
___	PB2 --Wheel Covers, Sport (N/A ZX5 Value App Group)
433	A31 WINDOWS: Power
434	CD4 WINDSHIELD WIPER EQUIPMENT: Intermittent System

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired.

Seat, Headliner and Door Trim Color	Blue	Camel	Carmine	Green
Instrument Panel Pad and Carpet Color	Blue	Camel	Carmine	Green

Model	Seat Type				
1BN35	Sport Cloth Bench	JDD1	JCC1		
	Sport Cloth 50/50		JCC3		
	Vinyl Bench	VDD1	VCC1	VRR1	VGG1
	Vinyl 50/50	VDD3	VCC3		

WITHOUT D84 CUSTOM TWO-TONE PAINT

Exterior Paint Color	Color Code L	U	T				
Black	19	19	-	A	R	R	A
Blue, Dark (Met)	29	29	22	R	A		
Blue, Light (Met)	22	22	11	R			
Blue, Light	21	21	-	R			
Camel (Met)	63	63	11		R		
Camel, Dark (Met)	69	69	61		R		
Camel, Light	61	61	-		R	A	
Carmine (Met)	77	77	11		A	R	
Carmine, Dark (Met)	79	79	-		R	R	
Green, Light (Met)	44	44	11		A		R
Green, Medium (Met)	45	45	44		A		R
Saffron (Met)	67	67	-		A		
Silver	15	15	-	A		R	
White	11	11	-	R	R	R	R

L=Lower U=Upper T=Two-Tone

WITH D84 CUSTOM TWO-TONE PAINT (Refer Page 10 for Accent Colors)

Exterior Paint Color	Color Code L	U				
Blue, Light (Met)	22	22	R			
Camel, Light	61	61		R		
Carmine, Dark (Met)	79	79		R	R	
Green, Light (Met)	44	44		A		R
Silver	15	15			R	

L=Lower U=Upper

POWER TEAMS

(Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE 2.56	RATIO 3.08
WITHOUT YF5 CALIFORNIA OR NA6 HIGH ALTITUDE EMISSION		
LG3	Std	-
LM1	Std	G92
WITH YF5 CALIFORNIA		
LM1	Std	G92
WITH NA6 HIGH ALTITUDE EMISSION		
LM1	-	Std

CAPRICE WAGONS

REFER STOPS UPDATE

Model

1GN35	Caprice Classic 2-Seat Station Wagon
1GN35/A04	Caprice Classic 3-Seat Station Wagon

___ A04 3-Seat Station Wagon

← COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINES

AVAILABLE WITH NA2 STANDARD EMISSION EQUIPMENT
___ L35 305 Cu. In. V8
___ LM1 350 Cu. In. V8

AVAILABLE WITH NA6 HIGH ALTITUDE EMISSION EQUIPMENT
(Recommended Above 4000 Foot Altitude)
___ LM1 350 Cu. In. V8

CALIFORNIA REGISTRATION (REQS YF5)
___ LM1 350 Cu. In. V8

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE OPTION.

		4 1 5 A	4 1 6 A	4 1 7 A	4 1 8 A	4 1 9 B
Glass, Soft-Ray Tinted	A01	X	X	X	X	X
Tires, HR78-15/B White Stripe	QEL	X	X	X	X	X
Air Conditioning, Four-Season	C60	X	X	X	X	X
Estate Equipment	BX3	X	X	X	X	X
Carrier, Roof	V55	X	X	X	X	X
Mirror, LH Remote	D33	X	X	X	N/INCL	
Belts, Deluxe	AK1	X	X	X	X	X
Tailgate Lock, Power	B10	X	X	X	X	X
Radio, AM	U63	X	N/INCL			
Guards, Bumper	V30		X	X	X	X
Mats, Color-Keyed Floor	B37		X	X	X	X
Steering Wheel, Comfortilt	N33		X	X	X	X
Door Lock System, Power	AU3		X	X	X	X
Speed Control	K30		X	X	X	X
Speaker, Rear Seat	U80		X	N/INCL		
Windows, Power	A31		X	X	X	X
Radio, AM/FM	U69		X	N/INCL		
Lighting, Auxiliary	ZJ9			X	X	X
Carpeting, Load Floor	B39			X	X	NOT INCL
Moldings, Body Side	B84			X	X	X
Bumper Rub Strips	VE5			X	X	X
W/S Wiper Equip., Intermittent	CD4			X	X	X
Radio, AM/FM Stereo	U58			X	X	NOT INCL
Clock, Digital	UE8			X	X	X
Defogger, Rear Window Electro-Clear	C49				X	X
Container, Litter	D24				X	X
Mirrors, LH and RH Remote	DF3				X	X
Econominder Gage Package	UF7				X	X
Seat, Power	A42				X	X
Mirror, Illuminated Visor Vanity	D64					X
Stereo Tape w/AM/FM Stereo Radio	UM2					X
Power Antenna	U75					X
Wheel Covers, Sport	PB2					X
Carpeting, Deluxe Cargo Area	BC5					X

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
	AIR CONDITIONING: (Incls K76 Gen)
	C61 --Comfortron
415	C60 --Four-Season

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
	AXLES, REAR:
	✓G92 --Performance Ratio (Reqs LM1 Eng)
___	G80 --Positraction
___	UA1 BATTERY, HEAVY-DUTY
415	AK1 BELTS, DELUXE: Color-Keyed Seat and Shoulder (Incl w/50/50 Seat)
	BUMPER EQUIPMENT: Front and Rear
417	VE5 --Bumper Rub Strips
416	V30 --Guards, Bumper
415	V55 CARRIER, ROOF
417	UE8 CLOCK: Digital
418	D24 CONTAINER, LITTER
418	C49 DEFOGGER, REAR WINDOW: Electro-Clear (Incls K76 Gen w/o C60 Air)
416	AU3 DOOR LOCK SYSTEM, POWER
418	UF7 ECONOMINDER GAGE PACKAGE
	EMISSION SYSTEMS: (MUST ORDER ONLY ONE) (See Power Teams Chart)
___	YF5 --California Emission Requirements
___	NA6 --High Altitude Emission Equipment
___	NA2 --Standard Emission Equipment
415	BX3 ESTATE EQUIPMENT
	FLOOR COVERING:
417	B39 --Carpeting, Deluxe Load Floor
419	BC5 --Carpeting, Deluxe Cargo Area (Incls B39 Carpeting)
416	B37 --Mats, Color-Keyed Floor, Front and Rear
___	K76 GENERATOR: 61-Amp Delcotron (Incl w/C49 Defogger, C60 or C61 Air)
415	A01 GLASS, SOFT-RAY TINTED: All Windows
417	ZJ9 LIGHTING, AUXILIARY
	MIRRORS:
415	D33 --Outside Rearview, LH Remote
418	DF3 --Outside Rearview, LH and RH Remote
___	D68 --Sport, Twin Remote
___	D35 --Sport, LH Remote and RH Manual
___	D34 --Visor Vanity
419	D64 --Visor Vanity, Illuminated
	MOLDINGS:
417	B84 --Body Side (Color Keyed)
___	B93 --Door Edge Guard (N/A BX3 Estate)
___	D84 PAINT, CUSTOM TWO-TONE: (N/A BX3 Estate) (Refer Page 6 for Exterior Paint availability and Page 10 for Accent Color)
___	V01 RADIATOR, HEAVY-DUTY
	RADIO EQUIPMENT:
415	U63 --AM Radio
416	U69 --AM/FM Radio
417	U58 --AM/FM Stereo Radio
___	UM1 --Stereo Tape System w/AM Radio
419	UM2 --Stereo Tape System w/AM/FM Stereo Radio
___	UP5 --AM/FM Citizens Band Radio and Power Antenna (Reqs U80 Speaker)
416	U80 --Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
___	UX6 --Speakers, Dual Front (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM1 or UM2 Radio)
___	U76 --Windshield Antenna (N/A UP5 Radio) (Incl w/above Radio Equip w/o U75 Antenna)
419	U75 --Power Antenna (Reqs U63, U69, U58, UM1 or UM2 Radio) (N/A U76 Antenna or UP5 Radio)
418	A42 SEAT, POWER: Six-Way (Driver's side only w/50/50 Seat)
416	K30 SPEED CONTROL: Cruise-Master
416	N33 STEERING WHEEL: Comfortilt
___	D85 STRIPING, PIN: Body Side (N/A BX3 Estate or D84 Paint) (Refer Page 10 for Standard Stripe Color Application)
	SUSPENSION EQUIPMENT:
___	G66 --Shock Absorbers, Superlift Rear
___	F40 --Suspension, Heavy-Duty Front and Rear
415	B10 TAILGATE LOCK, POWER
	TIRES: (B/W: Blackwall, W/S: White Stripe) --Steel Belted Radial Ply (15/B)
	ODU ---HR78 B/W
415	QEL ---HR78 W/S
419	PB2 WHEEL TRIM: Wheel Covers, Sport
416	A31 WINDOWS: Power
417	CD4 WINDSHIELD WIPER EQUIPMENT: Intermittent System

COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired.

Seat, Headliner and Door Trim Color	Blue	Camel	Carmine
Instrument Panel Pad and Carpet Color	Blue	Camel	Carmine

Model	Seat Type			
1BL35	Sport Cloth Bench		JCC1	JRR1
	Vinyl Bench	VDD1	VCC1	VRR1
	Vinyl 50/50	VDD3	VCC3	

WITHOUT D84 CUSTOM TWO-TONE PAINT

Exterior Paint Color	Color Code L	U	T			
Black	19	19	-	A	R	R
Blue, Dark (Met)	29	29	22	R	A	
Blue, Light (Met)	22	22	11	R		
Blue, Light	21	21	-	R		
Camel (Met)	63	63	11		R	
Camel, Dark (Met)	69	69	61		R	
Camel, Light	61	61	-		R	A
Carmine (Met)	77	77	11		A	R
Carmine, Dark (Met)	79	79	-		R	R
Green, Light (Met)	44	44	11		A	
Green, Medium (Met)	45	45	44		A	
Saffron (Met)	67	67	-		A	
Silver	15	15	-	A		R
White	11	11	-	R	R	R

L=Lower U=Upper T=Two-Tone

WITH D84 CUSTOM TWO-TONE PAINT (Refer Page 10 for Accent Colors)

Exterior Paint Color	Color Code L	U			
Blue, Light (Met)	22	22	R		
Camel, Light	61	61		R	
Carmine, Dark (Met)	79	79		R	R
Green, Light (Met)	44	44		A	
Silver	15	15			R

L=Lower U=Upper

POWER TEAMS

(Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE 2.56	RATIO 3.08
WITHOUT YF5 CALIFORNIA OR NA6 HIGH ALTITUDE EMISSION		
LG3	Std	-
√ LM1	Std	G92
WITH YF5 CALIFORNIA		
LM1	Std	G92
WITH NA6 HIGH ALTITUDE EMISSION		
LM1	-	Std

IMPALA WAGONS

REFER STOPS UPDATE

Model

1BL35 Impala 2-Seat Station Wagon
1BL35/A04 Impala 3-Seat Station Wagon

___ A04 3-Seat Station Wagon

← COLOR AND TRIM SELECTION

MUST ORDER ONE: ENGINE*

AVAILABLE WITH NA2 STANDARD SELECTION OF EQUIPMENT
___ LM1 350 Cu. In.

AVAILABLE WITH NA7 HIGH ALTITUDE EMISSION EQUIPMENT
(Recommended Above 4000 Feet - Req'd @)
___ LM1 350 Cu. In. V-8

CALIFORNIA REGISTRATION (DEST SEL)
___ LM1 350 Cu. In. V-8

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE OPTION.

		4 4 5 A	4 4 6 A	4 4 7 A	4 4 8 A	4 5 0 A
Glass, Soft-Ray Tinted	A01	X	X	X	X	X
Tires, HR78-15/B White Stripe	PEL	X	X	X	X	X
Air Conditioning, Four-Season	C60	X	X	X	X	X
Mirror, LH Remote	D33	X	X	X	X	N/INCL
Carrier, Roof	Y55	X	X	X	X	X
Radio, AM	U63	X	X	N/INCL		
Value Appearance Group	ZX5	X	X	X	X	X
Speed Control	J30		X	X	X	X
Guards, Bumper	V30		X	X	X	X
Tailgate Lock, Power	B10		X	X	X	X
Moldings, Door Edge Guard	B93		X	X	X	X
Mats, Color-Keyed Floor	B37		X	X	X	X
Steering Wheel, Comfortilt	N33			X	X	X
Door Lock System, Power	A33			X	X	X
Belts, Deluxe	AK1			X	X	X
Speaker, Rear Seat	U80			X	X	N/INCL
Radio, AM/FM	U69			X	X	N/INCL
Clock, Electric	U35				X	N/INCL
Defogger, Rear Window Electro-Clear	C49			X	X	X
Carpeting, Load Floor	B39			X	X	X
Lighting, Auxiliary	TU9			X	X	X
Bumper Rub Strips	V55			X	X	X
Quiet Sound Group	QS1				X	X
Windows, Power	A31				X	X
Radio, AM/FM Stereo	U58				X	X
Horns, Dual	B05				X	X
Mirrors, LH and RH Remote	D63				X	X NOT INCL
Clock, Digital	U88				X	X
Container, Litter	D24					X
Econominder Gage Package	UE7					X
Mirror, Visor Vanity	D34					X
Mirrors, Sport LH Remote and RH Manual	D35					X
W/S Wiper Equip., Intermittent	C04					X

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

O-S	OPTION
	AIR CONDITIONING: (Incls K76 Gen)
	C61 --Comfortron
445	C60 --Four-Season
	AXLES, REAR:
	√G92 --Performance Ratio (Reqs LM1 Eng)
	G80 --Positraction
	UA1 BATTERY, HEAVY-DUTY
447	AK1 BELTS, DELUXE: Color-Keyed Seat and Shoulder (Incl w/50/50 Seat)
	BUMPER EQUIPMENT: Front and Rear
448	VE5 --Bumper Rub Strips
446	V30 --Guards, Bumper
445	Y55 CARRIER, ROOF

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

O-S	OPTION
	CLOCKS:
449	UE8 --Digital (N/A U35)
449	U35 --Electric (N/A UE8)
450	D24 CONTAINER, LITTER
449	C49 DEFOGGER, REAR WINDOW: Electro-Clear (Incls K76 Gen w/o C60 Air)
447	A33 DOOR LOCK SYSTEM, POWER
450	UE7 ECONOMINDER GAGE PACKAGE
	EMISSION SYSTEMS: (*MUST ORDER ONLY ONE) (See Power Teams Chart)
	YE5 --California Emission Requirements
	NA6 --High Altitude Emission Equipment
	NA2 --Standard Emission Equipment
	FLOOR COVERING:
448	B39 --Carpeting, Deluxe Load Floor
	B05 --Carpeting, Deluxe Cargo Area (Incls B39 Carpeting)
446	B37 --Mats, Color-Keyed Floor, Front and Rear
	K76 GENERATOR: 61-Amp Delcotron (Incl w/C49 Defogger, C60 or C61 Air)
445	A01 GLASS, SOFT-RAY TINTED: All Windows
449	J05 HORNS, DUAL
448	TU9 LIGHTING, AUXILIARY
	MIRRORS:
445	D33 --Outside Rearview, LH Remote
449	D63 --Outside Rearview, LH and RH Remote
	D68 --Sport, Twin Remote
450	D35 --Sport, LH Remote and RH Manual
450	D34 --Visor Vanity
	D04 --Visor Vanity, Illuminated
	MOLDINGS:
	B34 --Body Side (Color Keyed) (Incl w/ZX5 Value App Group)
446	B93 --Door Edge Guard
	B96 --Wheel Opening (Incl w/ZX5 Value App Group)
	D84 PAINT, CUSTOM TWO-TONE: (Refer Page 8 for Exterior Paint Availability and Page 10 for Accent Color)
449	QS1 QUIET SOUND GROUP
	V01 RADIATOR, HEAVY-DUTY
	RADIO EQUIPMENT:
445	U63 --AM Radio
447	U69 --AM/FM Radio
449	U58 --AM/FM Stereo Radio
	UM1 --Stereo Tape System w/AM Radio
	UM2 --Stereo Tape System w/AM/FM Stereo Radio
	UP5 --AM/FM Citizens Band Radio and Power Antenna (Reqs U80 Speaker)
447	U80 --Speaker, Rear Seat (Reqs U63, U69 or UP5 Radio)
	UX6 --Speakers, Dual Front (Reqs U63, U69 or UP5 Radio) (Incl w/U58, UM1 or UM2 Radio)
	U76 --Windshield Antenna (N/A UP5 Radio) (Incl w/above Radio Equip w/o U75 Antenna)
	U75 --Power Antenna (Reqs U63, U69, U58, UM1 or UM2 Radio) (N/A U76 Antenna or UP5 Radio)
	A42 SEAT, POWER: Six-Way (Driver's side only w/50/50 Seat)
446	J30 SPEED CONTROL: Cruise-Master
447	N33 STEERING WHEEL: Comfortilt
	D85 STRIPING, PIN: Body Side (N/A D84 Paint) (Refer Page 10 for Standard Stripe Color Application)
	SUSPENSION EQUIPMENT:
	G66 --Shock Absorbers, Superlift Rear
	F40 --Suspension, Heavy-Duty Front and Rear
446	B10 TAILGATE LOCK, POWER
	TIRES: (B/W: Blackwall, W/S: White Stripe)
	--Steel Belted Radial Ply (15/B)
	ODU ---HR78 B/W
445	PEL ---HR78 W/S
445	ZX5 VALUE APPEARANCE GROUP: (Incls P01 Wheel Covers, B84 and B96 Mldgs)
	WHEEL TRIM:
	P01 --Wheel Covers, Full (Incl w/ZX5 Value App Group)
	P02 --Wheel Covers, Sport (N/A ZX5 Value App Group)
449	A31 WINDOWS: Power
450	C04 WINDSHIELD WIPER EQUIPMENT: Intermittent System

WITHOUT D84 CUSTOM TWO-TONE PAINT

WITH VINYL ROOF
=STANDARD MOLDING COLOR REQUIRES B84
***STANDARD STRIPE REQUIRES D85 OR Z03 LANDAU**

Exterior Paint Color and Code			Vinyl Roof Color						
			Black BB	Blue Light (Met) DD	Camel Light CC	Carmine Dark (Met) RR	Green Light (Met) GG	Silver QQ	White WW
Black	19	Molding	Black	Blue	Black	*	Green	Black	Black
		Stripe	Gold	Blue	Gold	*	Green	Silver	White
Blue, Dark (Met)	29	Molding	Black	Blue	*	*	*	*	Black
		Stripe	Silver	Blue	*	*	*	*	White
Blue, Light (Met)	22	Molding	Black	Blue	*	*	*	*	Blue
		Stripe	Black	Blue	*	*	*	*	White
Blue, Light	21	Molding	Blue	Blue	*	*	*	*	Blue
		Stripe	Black	Blue	*	*	*	*	White
Camel (Met)	63	Molding	Camel	*	Camel	*	*	*	Camel
		Stripe	Gold	*	Gold	*	*	*	White
Camel, Dark (Met)	69	Molding	*	*	Camel	*	*	*	Black
		Stripe	*	*	Gold	*	*	*	White
Camel, Light	61	Molding	Black	*	Camel	*	*	*	Camel
		Stripe	Gold	*	Buckskin	*	*	*	White
Carmine (Met)	77	Molding	Carmine	*	*	Carmine	*	*	Carmine
		Stripe	Red	*	*	Red	*	*	White
Carmine, Dark (Met)	79	Molding	Carmine	*	*	Carmine	*	*	Carmine
		Stripe	Gold	*	*	Gold	*	*	White
Green, Light (Met)	44	Molding	Green	*	*	*	Green	*	Green
		Stripe	Green	*	*	*	Green	*	White
Green, Medium (Met)	45	Molding	Green	*	*	*	Green	*	Green
		Stripe	Gold	*	*	*	Green	*	Green
Saffron (Met)	67	Molding	Black	*	Black	*	*	*	Black
		Stripe	Black	*	Gold	*	*	*	White
Silver	15	Molding	Black	*	*	*	*	Black	Black
		Stripe	Black	*	*	*	*	Red	White
White	11	Molding	Black	Blue	Camel	*	Green	Black	Black
		Stripe	Black	Blue	Gold	*	Green	Black	Gold

* When ZP2 is specified to override Vinyl Roof and Exterior Color, Molding and Stripe Color is Black on all combinations except 19 when the Molding will be Black and the stripe Gold unless otherwise specified.

WITHOUT VINYL ROOF

Exterior Paint Color	Color Code L	U	T	#Molding B84	*Stripe D85
Black	19	19	-	Black	Gold
Blue, Dark (Met)/Blue, Light	29	-	22	Blue	Blue
Blue, Dark (Met)	29	29	-	Black	Silver
Blue, Light/White	22	-	11	Blue	White
Blue, Light (Met)	22	22	-	Blue	Blue
Blue, Light	21	21	-	Blue	Blue
Camel (Met)/White	63	-	11	Camel	White
Camel (Met)	63	63	-	Camel	Gold
Camel, Dark (Met)/Camel, Light	69	-	61	Camel	Gold
Camel, Dark (Met)	69	69	-	Black	Gold
Camel, Light	61	61	-	Camel	Buckskin
Carmine (Met)/White	77	-	11	Carmine	White
Carmine (Met)	77	77	-	Carmine	Red
Carmine, Dark (Met)	79	79	-	Carmine	Gold
Green, Light (Met)/White	44	-	11	Green	White
Green, Light (Met)	44	44	-	Green	Green
Green, Medium (Met)/ Green, Light (Met)	45	-	44	Green	Green
Green, Medium (Met)	45	45	-	Green	Gold
Saffron (Met)	67	67	-	Black	White
Silver	15	15	-	Black	Red
White	11	11	-	Black	Gold

L=Lower U=Upper T=Two-Tone

D84 CUSTOM TWO-TONE PAINT

PLEASE NOTE:

* If the color of the stripe (D85), as shown in the above charts, is not desired, order one of the following options instead of D85 Stripe.
11A=White; 13A=Silver; 19A=Black; 27A=Light Blue; 49A=Light Green; 54A=Gold; 75A=Red; 95A=Buckskin
D85 and optional stripes N/A with D84 Custom Two-Tone Paint.

\# If the color of molding (B84), as shown in the above charts, is not desired, order one of the following options instead of B84 Molding.
19Q=Black; 22Q=Light Blue; 44Q=Light Green; 61Q=Light Camel; 79Q=Dark Carmine
Optional Molding colors N/A with D84 Custom Two-Tone Paint or BX3 Estate Equipment.

WITH D84 CUSTOM TWO-TONE PAINT (MOLDING REQS RPO B84) (NO SUBSTITUTES ALLOWED)

Exterior Paint Color	Color Code L	U	V	Molding B84	Stripe (Included)	Body Side Accent Color
Blue, Light (Met)	22	22	DD	Blue	Blue	Blue, Dark (Met)
Camel, Light	61	61	CC	Camel	Buckskin	Gold (Met)
Carmine, Dark (Met)	79	79	RR	Carmine	Red	Carmine (Met)
Green, Light (Met)	44	44	GG	Green	Green	Green, Medium (Met)
Silver	15	15	QQ	Black	Red	Gray, Medium (Met)

L=Lower U=Upper V=Vinyl Roof

METRIC

1978

mvma

Specifications Form

Passenger Car

Manufacturer	Car Line	
Chevrolet Motor Division General Motors Corporation	Chevrolet	
Mailing Address Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	Model Year 1978	Issued: October 1977 Revised (•) February, 1978

Pages revised: 2,3,5,6,6A,8A,10A,11,16,19,21,25,27,29, 10,

METRIC

MVMA Specifications Form
Passenger Car

Table Of Contents

NOTES:

1. SI UNITS * ARE USED THROUGHOUT THIS FORM. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE INDICATED.

2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used through these specifications.

3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

* SI is the abbreviation for the International System of Units which is only partially related to the various conventional metric systems. Refer to ANSI Z210.1 (ASTM 380) for proper usage.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET

Model Year 1978 Issued 10-77 Revised (●)

METRIC

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load (Pounds)
	Model Number	Front	Rear
Impala			
4-Door Sedan	1BL69	3	3
2-Door Coupe	1BL47	3	3
4-Door Station Wagon, 2-Seat	1BL35	3	3
Caprice Classic			
4-Door Sedan	1BN69	3	3
2-Door Coupe	1BN47	3	3
4-Door Station Wagon, 2-Seat	1BN35	3	3

NOTE: Any specifications on the following pages that are specific to California requirements are indicated accordingly.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET — **METRIC**

Model Year 1978 Issued 10-77 Revised (●) 2-78

Car and Body Dimensions | See Key Sheets for definitions.

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.
SAE Ref. No. refers to the definition published in SAE Recommended Practice.
J1100a "Motor Vehicle Dimensions," unless otherwise specified.

	SAE Ref. No.	Body Type: 4-Door Sedans	2-Door Coupes	Station Wagons	
Width					
Tread - Front	W101	1568 (61.8 in.)		1578 (62.2 in.)	(mm)
Tread - Rear	W102	1542 (60.8 in.)		1628 (64.1 in.)	(mm)
Vehicle width	W103	1930 (76.0 in.)		2010 (79.1 in.)	(mm)
Body width at Sq. RP - front	W117	1916 (75.4 in.)			(mm)
Vehicle width - front doors open	W120	3443 (135.5 in.)	4101 (161.5 in.)	3442 (135.5 in.)	(mm)
● Vehicle width - rear doors open	W121	2917 (114.9 in.)	-	2915 (114.8 in.)	(mm)
Length					
Wheelbase	L101	2945 (116.0 in.)			(mm)
Vehicle length	L103	5385 (212.1 in.)		5454 (214.7 in.)	(mm)
Overhang - front	L104	1016 (40.0 in.)			(mm)
Overhang - rear	L105	1424 (56.1 in.)		1493 (58.8 in.)	(mm)
Upper structure length	L123	2530 (99.6 in.)	2652 (104.4 in.)	3506 (138.0 in.)	(mm)
Rear wheel C/L "X" coordinate	L127	2475 (97.5 in.)			(mm)
Cowl point "X" coordinate	L125	235 (9.2 in.)	236 (9.3 in.)	235 (9.2 in.)	(mm)
Height*					
Passenger Distribution (front/rear)	PD1,2,3	2 - 3			
Trunk/Cargo load (lbs.)		0			
Vehicle height	H101	1422 (56.0 in.)	1406 (55.3 in.)	1473 (58.0 in.)	(mm)
Cowl point to ground	H114	996 (39.2 in.)		1002 (39.4 in.)	(mm)
Deck point to ground	H138				(mm)
Rocker panel - front: To ground	H112	229 (9.0 in.)		234 (9.2 in.)	(mm)
Rocker panel - front: From front wheel C/L					(mm)
Bottom of door closed-front to grd.	H133	283 (11.1 in.)		292 (11.5 in.)	(mm)
Rocker panel - rear: To ground	H111	229 (9.0 in.)		240 (9.4 in.)	(mm)
Rocker panel - rear: From rear wheel C/L					(mm)
Bottom of door closed-rear to grd.	H135	283 (11.1 in.)	- -	294 (11.6 in.)	(mm)
Windshield slope angle	H122	53.5°	54.5°	53.5°	(°)
Ground Clearance*					
Front bumper to ground	H102	282 (11.1 in.)			(mm)
● Rear bumper to ground	H104	334 (13.1 in.)		294 (11.6 in.)	(mm)
● Bumper to grd - front @ curb wt.	H103	328 (12.9in)		327 (12.9in)	(mm)
● Bumper to grd - rear @ curb wt	H109	374 (14.7in)		320 (12.6in)	(mm)
Angle of approach	H106	16.97°		16.79°	(°)
Angle of departure	H107	15.17°		12.24°	(°)
Ramp breakover angle	H147	15.31°		15.09°	(°)
Rear axle differential to ground	H153	178 (7.0 in.)	177 (7.0 in.)	191 (7.5 in.)	(mm)
Min running ground clearance	H156	147 (5.8 in.)		150 (5.9 in.)	(mm)
Location of min run grd clear.		Front suspension to ground			

*All vehicle height and ground clearances are made at the manufacturer's Design Load Weight, unless otherwise specified

*Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET — **METRIC**
Model Year 1978 Issued 10-77 Revised (•) 2/78

Car And Body Dimensions See Key Sheets for definitions

Front Compartment	SAE Ref. No.	Body Type: 4-Door Sedans 1BL69	4-Door Sedans 1BN69	2-Door Coupes 1BL47	2-Door Coupes 1BN47	Station Wagons 1BL35	Station Wagons 1BN35	
Sq. RP - front, "X" coordinate	L31	1078 (42.4 in.)						(mm)
Effective head room	H61	1002(39.4in)	996(39.2in)	985(38.8in)	979(38.5in)	1007(39.6in)		(a)
Effective T Point head room	H75	1007(39.6in)	1001(39.4in)	990(39.0in)	984(38.7in)	1012(39.8in)		(b)
Max. eff. leg room - accelerator	L34	1076 (42.4 in.)						(mm)
Sq. RP - front to heel	H30	214 (8.4 in.)						(mm)
Design H-point front travel	L17	161 (6.3 in.)						(mm)
Shoulder room	W3	1544 (60.8 in.)						(mm)
Hip room	W5	1398 (55.0 in.)						(mm)
Upper body opening to ground	H50	1285 (50.6 in.)				1307 (51.5 in.)		(mm)
Steering Wheel Angle	H18	19.0						(°)
Back Angle	L40	26.5						(°)

Rear Compartment								
						1BL35 as shown - 1BN35 (a) 1001(39.4in) (b) 1006(39.6in)		
Sq. RP Point couple distance	L50	882(34.7in)		851(33.5in)		844(33.2in)		(mm)
Effective head room	H63	970(38.2in)	964(38.0in)	966(38.0in)	960(37.8in)	1000(39.4in)	(a)	(mm)
Effective T Point head room	H76	967(38.1in)	961(37.8in)	962(37.9in)	956(37.6in)	1004(39.5in)	(b)	(mm)
Min. effective leg room	L51	991(39.0in)		947(37.3in)		958(37.7in)		(mm)
Sq. RP - second to heel	H31	292(11.5in)		273(10.7in)		307(12.1in)		(mm)
Knee clearance	L48	90(3.5in)		70(2.8in)		49(1.9in)		(mm)
Compartment room	L3	737(29.0in)				722(28.4in)		(mm)
Shoulder room	W4	1545(60.8in)		1494(58.8in)		1546(60.9in)		(mm)
Hip room	W6	1405(55.3in)		1462(57.6in)		1398(55.0in)		(mm)
Upper body opening to ground	H51	1300(51.2in)		- -		1315(51.8in)		(mm)

Luggage Compartment								
						1BL35 as shown - 1BN35 (a) 994(39.1in) (b) 998(39.3in)		
Usable luggage capacity	V1	572(20.2cu.ft.)		560(19.8cu.ft.)		- -		(dm^3)
Liftover height	H195	796(31.3in.)				- -		(mm)
Position of spare tire storage		Sedans and coupes front center of trunk compartment (*)						
Method of holding lid open		Torsion Rods						

(*) Station Wagons - Vertical right rear quarter panel.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET **METRIC**

Model Year 1978 Issued 10-77 Revised (●) _____

Car And Body Dimensions See Key Sheets for definitions

SAE Ref. No.	Body Type: Station Wagons 1BL35	1BN35	

Station Wagon — Third Seat

Shoulder Room	W85	1240 (48.8 in.)		(mm)
Hip room	W86	1109 (43.7 in.)		(mm)
Effective leg room	L86	782 (30.8 in.)		(mm)
Effective head room	H86	952 (37.5 in.)	946 (37.2 in.)	(mm)
Effective T Point head room	H89	954 (37.6 in.)	948 (37.3 in.)	(mm)
Seat facing direction	SD1			

Station Wagon — Cargo Space

Cargo length - open - front	L200	2790 (109.8 in.)		(mm)
Cargo length - open - second	L201	1907 (75.1 in.)		(mm)
Cargo length - closed - front	L202	2290 (90.2 in.)		(mm)
Cargo length - closed - second	L203	1407 (55.4 in.)		(mm)
Cargo length at belt - front	L204	2128 (83.8 in.)		(mm)
Cargo length at belt - second	L205	1222 (48.1 in.)		(mm)
Cargo width - wheelhouse	W201	1224 (48.2 in.)		
Rear opening width at floor	W203	1238 (48.7 in.)		
Opening width at belt	W204	1224 (48.2 in.)		
Max rear opening width above belt	W205	988 (38.9 in.)		
Cargo height	H201	763 (30.0 in.)	757 (29.8 in.)	
Rear opening height	H202	729 (28.7 in.)		
Tail gate to ground height (curb wt.)	H250	741 (29.2 in.)		(mm)
Front seat back to load floor height	H197			
Cargo volume index	V2	2510L (88.6 cu. ft.)	2490L (87.9 cu. ft.)	(m^3)
Hidden cargo volume	V4			

Hatchback — Cargo Space

Front seat back to load floor height	H197		(mm)
Cargo length at front seat Back Height	L208	NOT APPLICABLE	(mm)
Cargo length at floor - front	L209		
Cargo volume index -	V3		(dm^3)
Hidden cargo volume	V4		

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**

Model Year 1978 Issued 10-77 Revised (●) 2/78

Power Teams (Indicate whether standard or optional)

SAE net power and torque corrected to standard conditions of temperature and barometric pressure as defined in SAE J-245.

SERIES AVAILABILITY #	ENGINE (1) Displ. (litres)	Carb.	Compr. Ratio	SAE Net @ RPM Power (kW)	SAE Net @ RPM Torque (N•m)	Exhaust System*	TRANSMISSION Type	TRANSMISSION • Model	AXLE RATIO(:1) (Std. first) (Indicate A/C ratio) (A)	(B)	(C)
Base - All States Sedans and Coupes	4.1L L-6 (L22)	1-bbl	8.1:1	82 (110) @ 3800	264 (190) @ 1600	S	3-Spd Auto	Auto '350	2.73	-	-
Optional - All States Sedans and Coupes	5.0L V-8 (LG3)	2-bbl	8.4:1	108 (145) @ 3800	332 (245) @ 2400	S	3-Spd Auto	Auto '350 Auto '200 (+)	2.41	-	-
Base - All States except California Station Wagons	305			145 HP				Auto '350	2.56	-	-
Optional - All States Sedans and Coupes	5.7L V-8 (LM1)	4-bbl	8.2:1	127 (170) @ 3800	366 (270) @ 2400	S	3-Spd Auto	Auto '350 Auto '200 (+)	2.41	-	-
								Auto '350	-	3.08	3.08
Optional - All States Station Wagon	350							Auto '350	2.56	3.08	3.08

- 'Base' and 'Optional' refer to engine availability.

\+ - Manufacturing Option

A - Base All states.

B - Optional All states.

C - Above 121 9 M (4,000 feet) altitude - all except California.

Positraction and air conditioning available with all axle ratios.

(1) California and altitudes above 1219 M (4000 ft.):

Engine	KW (HP) H.P	N.M (Lb-Ft) Torque
4.1 Litre	67 (90) @ 3600	244 (175) @ 1600
5.0 Litre	101 (135) @ 3800	325 (240) @ 2000
5.7 Litre	119 (160) @ 3800	352 (260) @ 2400

*S — Single D — Dual

MVMA Specifications Form
Passenger Car

METRIC

Car Line CHEVROLET
Model Year 1978 Issued 10/77 Revised (•) 2/78

Engine Description/Carb.

4.1 Litre (250 CID) L6/1 Barrel
RPO L22

Engine — General

Type (inline, V, Flat)		In-Line
Total dressed engine wt dry *		210.3 Kg (463.7 lb.)
No of cylinders		6
Bore		98.4 (3.875)
Stroke		89.7 (3.53)
Piston Displacement		4.1 (250) (litres)
Bore spacing (C/L to C/L)		111.8 (4.40) (mm)
Cyl No system (front to rear)	L Bank	1-2-3-4-5-6
	R Bank	- - - -
Firing Order		1-5-3-6-2-4
Cylinder Head Material		Cast Alloy Iron
Cylinder Block Material		Cast Alloy Iron
Cylinder block deck height		232.4 (9.15)
Number of mtg points	Front	Two
	Rear	One
Engine installation angle		4° 30' (°)
Recommended fuel leaded, unleaded		Unleaded
Fuel antiknock index $\frac{(R+M)}{2}$		91
Cylinder Head Volume (cm^3)		70.0 (4.27)
Head Gasket Thickness (Compressed) (CM-RV2 3-EL2)		0.038 (.0015) (mm)
Head Gasket Volume (cm^3)		8.14 (.4967) (cm^3)
Deck Clearance (minimum) (above or below block)		0.64 (.025) below (mm)
Minimum Combustion Chamber Volume (cm^3)		68.0 (4.150) (cm^3)

Engine — Pistons

Material			Cast Aluminum Alloy
Description and finish			Sump head; closed, slipper skirt
Mass (piston only)			0.57 (20.24) (kg)
Clearance (limits)	Top land		0.622-0.851 (.0245-.0335) (mm)
	Skirt	Top	0.013-0.038 (.0005-.0015) (mm)
		Bottom	(mm)
Ring groove diameter	No. 1 ring		87.22-87.48 (3.434-3.444) (mm)
	No. 2 ring		87.22-87.48 (3.434-3.444) (mm)
	No 3 ring		87.53-87.78 (3.446-3.456) (mm)

(a) Measured 42.6mm (1.66) from top of piston.

*Dressed engine weight includes the following:

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET
Model Year 1978 Issued 10/77 Revised (●) 2/78

METRIC

Engine Description/Carb.	5.0 Litre (305 CID) V8/ 2-Bbl. RPO LG3	5.7 Litre (350 CID) V8/ 4-Bbl. RPO LM1

Engine — General

Type (inline, V, Flat)		90 ° 'V'		
Total dressed engine wt. dry *		257.5 kg (567.7 lb.)	251.6 kg (554.7 lb.)	
No. of cylinders		8		
Bore		94.89 (3.736)	101.6 (4.0)	
Stroke		88.4 (3.48)	88.4 (3.48)	
Piston Displacement		5.0 (305)	5.7 (350)	(litres)
Bore spacing (C/L to C/L)		111.8 (4.40)		(mm)
Cyl. 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		
Cylinder Head Material		Cast Alloy Iron		
Cylinder Block Material		Cast Alloy Iron		
Cylinder block deck height		229.4 (9.03)		
Number of mtg. points	Front	Two		
	Rear	One		
Engine installation angle		4° 30'		(°)
Recommended fuel leaded, unleaded		Unleaded		
Fuel antiknock index $\frac{(R+M)}{2}$		91		
Cylinder Head Volume (cm^3)		60.52 (3.69)	75.47 (4.6)	(cm^3)
Head Gasket Thickness (Compressed)		0.53 (0.021)		(mm)
Head Gasket Volume (cm^3)		3.28 (0.2)	4.58 (0.28)	(cm^3)
Deck Clearance (minimum) (above or below block)		0.64 (.025) below		(mm)
Minimum Combustion Chamber Volume (cm^3)		58.99 (3.6)	73.74 (4.5)	(cm^3)

Engine — Pistons

Material		Cast Aluminum Alloy		
Description and finish		Sump head; closed, slipper skirt		
Mass (piston only)		0.59 (20.80)	0.60 (21.33)	(kg)
Clearance (limits)	Top land	.622-.851 (.0245-.0335)	.597-.622 (.0235-.0245)	(mm)
	Skirt Top (a)	.043-.107 (.0017-.0042)	.018-.043 (.0007-.0017)	(mm)
	Skirt Bottom			(mm)
Ring groove diameter	No. 1 ring	84.33-84.71 (3.320-3.335)	89.94-90.32 (3.541-3.556)	(mm)
	No. 2 ring	84.33-84.71 (3.320-3.335)	89.94-90.32 (3.541-3.556)	(mm)
	No. 3 ring	83.32-84.20 (3.300-3.315)	90.86-91.24 (3.577-3.592)	(mm)

(a) Measured 39.6mm (1.56) from top of piston.

*Dressed engine weight includes the following:

Material required to make the engine an independent working power unit less radiator hoses, coolant, accelerator controls or engine mountings.

MVMA Specifications Form
Passenger Car

Car Line Chevrolet **METRIC**
Model Year 1978 Issued 10-77 Revised (●)

Engine Displacement

L-6 - 4.1 Litre (250 CID) - RPO L-22 /1-bbl

Engine - Piston Rings

Function (top to bottom)	No. 1. oil or comp.		Compression
	No. 2. oil or comp.		Compression
	No. 3. oil or comp.		Oil
Compression	Description - material, coating, etc.	Upper	Cast Alloy Iron, Barrel Face, Minimum Chrome, Moly Channel, Graphite
		Lower	Cast Alloy Iron, Inside Bevel Reverse Tapered Face, Lubricated
	Width		Upper - 1.969 - 1.981 (.0775 - .0780); Lower - 1.956 - 1.981 (.0770 - .0780) (mm)
	Gap		0.25-0.51 (.010-.020) (mm)
Oil	Description - material, coating, etc.		Multi-piece, (2) Rails and (1) Spacer Expander Rails - Steel, Chrome Plated O.D.; Expander - Stainless Steel
	Width		4.699 - 4.750 (.1850 - .1870) (mm)
	Gap		0.38 - 1.40 (.015 - .055) (mm)
Expanders			In Oil Ring Assembly

Engine - Piston Pins

Material			Chromium Steel
Length			75.95 - 76.45 (2.990 - 3.010) (mm)
Diameter			23.546 - 23.553 (.9270 - .9273) (mm)
Type	Locked in rod, in piston, floating, etc.		Locked in Rod
	Bushing	In rod or piston	None
		Material	—
Clearance	In piston		0.0038 - 0.0064 (.00015 - .00025) (mm)
	In rod		(mm)
Direction & amount offset in piston			Major Thrust Side; 1.52 (.060) (mm)

Engine - Connecting Rods

Material		Drop Forged Steel
Mass		0.4 (14.24) (kg)
Length (center to center)		144.65 - 144.91 (5.695 - 5.705) (mm)
Bearing	Material & Type	Premium Aluminum
	Overall length	20.50 (.807) (mm)
	Clearance (limits)	0.018 - 0.069 (.0007 - .0027) (mm)
	End Play	0.18 - 0.41 (.007 - .016) (mm)

MVMA Specifications Form
Passenger Car

METRIC

Car Line Chevrolet
Model Year 1978 Issued 10-77 Revised (e) ____

Engine Displacement	
V-8 5.0 Litre - 305 CID/2-bbl RPO LG 3	V-8 5.7 Litre - 350 CID/4-bbl RPO LM 1

Engine - Piston Rings

Function (top to bottom)	No. 1, oil or comp.	Compression		
	No. 2, oil or comp.	Compression		
	No. 3, oil or comp.	Oil		
Compression	Description - material, coating, etc. Upper	Cast Alloy Iron, Radius Face, Chrome Flash		
	Lower	Cast Alloy Iron, Reverse Twist Tapered Face, Lubrited		
	Width Upper (a)	1.956 - 1.981 (.0770 - .0780)	1.969 - 1.981 (.0775 - .0780)	(mm)
	Gap Upper (b)	0.25 - 0.51 (.010 - .020)	0.330 - 0.63 (.013 - 0.25)	(mm)
Oil	Description - material, coating, etc.	Multi-Piece, (2) Rails and (1) Spacer Expander Rails - Steel, Chrome Plated O.D.; Expander - Stainless Steel		
	Width	4.722 - 4.773 (.1859 - .1879)	4.699 - 4.750 (.1850 - .1870)	(mm)
	Gap	0.25 - 0.89 (.010 - .035)	0.38 - 1.40 (.015 - .055)	(mm)
Expanders		In Oil Ring Assembly		

Engine - Piston Pins

Material		Chromium Steel		
Length		75.95 - 76.45 (2.990 - 3.010)		(mm)
Diameter		23.546 - 23.553 (.9270 - .9273)		(mm)
Type	Locked in rod, in piston, floating, etc.	Locked in Rod		
	Bushing: In rod or piston	None		
	Bushing: Material			
Clearance	In piston	.0063 - .0089 (.00025 - .00035)		(mm)
	In rod			(mm)
Direction & amount offset in piston		Major Thrust Side - 1.52 (.060)		(mm)

Engine - Connecting Rods

Material		Drop Forged Steel		
Mass		0.4 (13.70)		(kg)
Length (center to center)		144.65 - 144.91 (5.695 - 5.705)		(mm)
Bearing	Material & Type	Premium Aluminum		
	Overall length	20.24 (0.797)		(mm)
	Clearance (limits)	0.033 - 0.089 (.0013 - .0035)		(mm)
	End Play	0.15 - 0.41 (.006 - .016)		(mm)

(a) Lower - 1.956 - 1.981 mm (.0770 - .0775)

(b) Lower - 0.25 - 0.63 mm (.010 - .025)

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**
Model Year 1978 Issued 10-77 Revised (e)

Engine Displacement

L-6 4.1 Litre (250 CID) - RPO L-22 /1-bbl.

Engine—Crankshaft

Material			Cast Nodular Iron	
Vibration damper type			Rubber Mounted Inertia	
End thrust taken by bearing (No.)			7	
Crankshaft end play			0.05 - 0.15 (.002 - .006)	(mm)
Main bearing	Material & type		Premium Aluminum - Except #7 Upper Cooper Lead Alloy (Man. Trans. only)	
	Clearance		0.008 - 0.074 (.0003 - .0029)	(mm)
	Journal dia. and bearing overall length	No. 1	58.417 x 19.10 (2.2999 x .752)	(mm)
		No. 2	58.417 x 19.10 (2.2999 x .752)	(mm)
		No. 3	58.417 x 19.10 (2.2999 x .752)	(mm)
		No. 4	58.417 x 19.10 (2.2999 x .752)	(mm)
		No. 5	58.417 x 19.10 (2.2999 x .752)	(mm)
		No. 6	58.417 x 19.10 (2.2999 x .752)	(mm)
		No. 7	58.417 x 19.30 (2.2999 x .760)	(mm)
	Dir. & amt. cyl. offset		None	(mm)
	No. bolts/main brg. cap		Two	
Crankpin journal diameter			50.77 - 50.80 (1.999 - 2.000)	(mm)

Engine—Camshaft

Location			Above and to Right of Crankshaft	
Material			Cast Alloy Iron	
Bearings	Material		Steel Backed Babbitt	
	Number		4	
Type of Drive	Gear or chain		Gear	
	Crankshaft gear or sprocket material		Cast Iron	
	Camshaft gear or sprocket material		Aluminum Alloy	
	Timing chain	No. of links	None	
		Width	None	(mm)
		Pitch	None	(mm)

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**
Model Year 1978 Issued 10-77 Revised (●) 2/78

Engine Displacement	
V-8 5.0 Litre (305 CID)/2-bbl. RPO LG3	V-8 5.7 Litre (350 CID)/4-bbl. RPO LM1.

Engine—Crankshaft

Material			Cast Nodular Iron	
Vibration damper type			Rubber Mounted Inertia	
End thrust taken by bearing (No.)			5	
Crankshaft end play			0.05 - 0.18 (.002 - .007)	(mm)
Main bearing	Material & type		Premium Aluminum Except As Noted: (a)	
	Clearance		(b)	(mm)
	Journal dia. and bearing overall length	No. 1	62.235 x 19.10 (2.4502 x .752)	(mm)
		No. 2	62.235 x 19.10 (2.4502 x .752)	(mm)
		No. 3	62.235 x 19.10 (2.4502 x .752)	(mm)
		No. 4	62.235 x 19.10 (2.4502 x .752)	(mm)
		No. 5	62.250 x 29.97 (2.4508 x 1.180)	(mm)
		No. 6	None	(mm)
		No. 7	None	(mm)
	Dir. & amt cyl. offset		—	(mm)
	No. bolts/main brg. cap		2	
Crankpin journal diameter			53.31 - 53.34 (2.099 - 2.100)	(mm)

Engine—Camshaft

Location			In Block Above Crankshaft	
Material			Cast Alloy Iron	
Bearings	Material		Steel Backed Babbitt	
	Number		5	
Type of Drive	Gear or chain		Chain	
	Crankshaft gear or sprocket material		Sintered Iron	
	Camshaft gear or sprocket material		Nylon Teeth with Aluminum Head	
	Timing chain	No. of links	46	
		Width	15.87 (.625)	(mm)
		Pitch	12.7 (.500)	(mm)

(a) 5L - #1 Upper and Lower - G66 Conecc
5 and 5.7L - #5 Upper - Steel backed insert with copper lead alloy.
Also #5 Lower with man. trans.

● (b) #1 - .020-.051mm (.0008-.0020in)
#2,3,4 - .028-.058mm (.0011-.0023in)
#5 - .043-.084mm (.0017-.0033in)

MVMA Specifications Form
Passenger Car

Car Line Chevrolet | **METRIC**

Model Year 1978 Issued 10-77 Revised (●)

Engine Displacement

L-6 - 4.1 Litre (250 CID) - RPO L-22 /1-bbl

Engine—Valve System

Hydraulic lifters (Std., opt., NA)			Standard	
Valve rotator, type (intake, exhaust)			None	
Push rods (dia., length, material)			7.937 x 244.14 (.3125 x 9.612); Welded Steel Tubing	(mm)
Rocker ratio			1.75:1	
Operating tappet clearance (indicate hot or cold)	Intake		Zero	(mm)
	Exhaust		Zero	(mm)
Timing (based on top of ramp points)	Intake	Opens (°BTC)	16	(°)
		Closes (°ABC)	48	(°)
		Duration	244	(°)
	Exhaust	Opens (°BBC)	64	(°)
		Closes (°ATC)	50	(°)
		Duration	294	(°)
	Valve open overlap		66	(°)
Intake	Material		Alloy Steel (SAE 1541 - 1547); Chrome Flash Stem	
	Overall length		124.51 - 125.02 (4.902 - 4.922)	(mm)
	Actual overall head dia.		43.56 - 43.81 (1.715 - 1.725)	(mm)
	Angle of seat & face		46 Seat, 45 Face	(°)
	Seat insert material		None	
	Stem diameter		8.661 - 8.679 (.3410 - .3417)	(m
	Stem to guide clearance		0.025 - 0.069 (.0010 - .0027)	(m
	Lift (@ zero lash)		9.855 (.3880)	(mm)
	Outer spring force & length	Valve closed	346.944 - 382.528 @ 42.2 (78 - 86 @ 1.66)	(N@mm)
		Valve open	756.16 - 800.65 @ 32.0 (170 - 180 @ 1.26)	(N@mm)
	Inner spring force & length	Valve closed	None	(N@mm)
		Valve open	None	(N@mm)
Exhaust	Material		High Alloy Steel, 21 - 4N, Chrome Flash Stem	
	Overall length		124.79 - 125.30 (4.913 - 4.933)	(mm)
	Actual overall head dia.		37.97 - 38.23 (1.495 - 1.505)	(mm)
	Angle of seat & face		46 Seat, 45 Face	(°)
	Seat insert material		None	
	Stem diameter		8.661 - 8.679 (.3410 - .3417)	(mm)
	Stem to guide clearance		0.025 - 0.069 (.0010 - .0027)	(mm)
	Lift (@ zero lash)		10.289 (.4051)	(mm)
	Outer spring force & length	Valve closed	346.944 - 382.528 @ 42.2 (76 - 86 @ 1.66)	(N@mm)
		Valve open	756.16 - 800.64 @ 32.0 (170 - 180 @ 1.26)	(N@mm)
	Inner spring force & length	Valve closed	None	(N@
		Valve open	None	(N@

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**

Model Year 1978 Issued 10-77 Revised (e)

Engine Displacement	
V-8 -5.0 Litre (305 CID) /2-bbl. RPO LG3	V-8 - 5.7 Litre (350 CID)/4-bbl. RPO LM1

Engine—Valve System

Hydraulic lifters (Std., opt., NA)			Standards		
Valve rotator, type (intake, exhaust)			Exhaust		
Push rods (dia., length, material)			7.937 x 196.19 (.3125 x 7.724); Welded Steel Tubing		(mm)
Rocker ratio			1.50:1		
Operating tappet clearance (indicate hot or cold)	Intake		Zero		(mm)
	Exhaust		Zero		(mm)
Timing (based on top of ramp points)	Intake	Opens (°BTC)	28	28	(o)
		Closes (°ABC)	64	72	(o)
		Duration	272	280	(o)
	Exhaust	Opens (°BBC)	78	78	(o)
		Closes (°ATC)	30	30	(o)
		Duration	288	288	(o)
	Valve open overlap		58	58	(o)
Intake	Material (a)		Alloy Steel (SAE 1541)	Alloy Steel (SAE 1541 or 1547)	
	Overall length		124.51-125.02 (4.902-4.922)	123.70-124.18 (4.870-4.889)	(mm)
	Actual overall head dia.		43.56-43.81 (1.715-1.725)	49.15-49.28 (1.935-1.945)	(mm)
	Angle of seat & face		46 Seat, 45 Face		(o)
	Seat insert material		None		
	Stem diameter		8.661-8.679 (.3410-.3417)		(mm)
	Stem to guide clearance		0.025-0.069 (.0010-.0027)		(mm)
	Lift (@ zero lash)		9.467 (.3727)	9.906 (.3900)	(mm)
	Outer spring force & length	Valve closed	341.088 - 376.992 @ 43.2 (76-84 @ 1.70)		(N@mm)
		Valve open	773.9 - 827.3 @ 31.7 (174 - 186 @ 1.25)		(N@mm)
	Inner spring force & length	Valve closed	Spring Damper		(N@mm)
		Valve open	Spring Damper		(N@mm)
Exhaust	Material (a)		High Alloy Steel (21 - 2N), Aluminized Head		
	Overall length		124.79 - 125.30 (4.913 - 4.933)	124.71 - 124.79 (4.910-4.930)	(mm)
	Actual overall head dia.		37.97 - 38.23 (1.495 - 1.505)		(mm)
	Angle of seat & face		46 Seat, 45 Face		(o)
	Seat insert material		None		
	Stem diameter		8.661-8.679 (.3410-.3417)		(mm)
	Stem to guide clearance		0.025-0.069 (.0010-.0027)		(mm)
	Lift (@ zero lash)		10.414 (.4100)		(mm)
	Outer spring force & length	Valve closed	341.088 - 376.992 @ 41.0 (76 - 84 @ 1.61)		(N@mm)
		Valve open	818.4 - 871.8 @ 29.5 (184 - 196 @ 1.16)		(N@mm)
	Inner spring force & length	Valve closed	Spring Damper		(N@mm)
		Valve open	Spring Damper		(N@mm)

(a) Chrome Flash Stem.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET | **METRIC**

Model Year 1978 Issued 10-77 Revised (●) 2-78

Engine Description/Carb.

4.1 Litre (250 CID) L6/1-Bbl.
RPO L22

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Nozzle
	Cylinder walls	Splash
Oil pump type		Gear
Normal oil pressure		248.2-282.7 (36-41)@2000 kPa@ (engine rpm)
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part., other)		Full Flow
Capacity of c/case, less filter-refill		3.8 (4.0) (litres)
Oil grade recommended (SAE viscosity and temperature range in °C)		(a)
Engine service reqmt. (SD, SE, etc.)		SE

Engine — Exhaust system

Type (single, single with cross-over, dual, other)		Single with single converter
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow
Resonator No. & type		None
Exhaust Pipe	Branch O. D., wall thickness	None (mm)
	Main O. D., wall thickness	50.8 x 1.02 (2.0 x .040); 57.15 x 1.02 (2.25 x .040) (b) (mm)
	Material	Laminated stainless steel tubing
Intermediate Pipe	O. D & wall thickness	57.15 x 1.73 (2.25 x .068) (mm)
	Material	Aluminized steel tubing
Tail Pipe	O.D. & wall thickness	50.80 x 1.40 (2.0 x.055)
	Material	Aluminized stainless steel tubing

(a) - 6.6°C & above (20°F & above) - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50
- 17.7°C to + 15.5°C (0° to 60°F) - 10W, 5W-30, 10W-40, 10W-30
- 6.6°C & below (20°F & below) - 5W-20, 10W-30

(b) Calif. Only

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET | **METRIC**

Model Year 1978 Issued 10-77 Revised (•) 2/78

Engine Description/Carb.	5.0 Litre (305 CID) V8/ 2-Bbl. - RPO LG3	5.7 Litre (350 CID) V8/ 4-Bbl. - RPO LM1

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Centrifugally oiled from camshaft bearing	
	Cylinder walls	Pressure, jet cross sprayed	
Oil pump type		Gear	
Normal oil pressure		220.6-275.8 (32-40)@2000	kPa@ (engine rpm)
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part., other)		Full flow	
Capacity of c/case, less filter-refill		3.8 (4.0)	(litres)
Oil grade recommended (SAE viscosity and temperature range in °C)		(a)	
Engine service reqmt. (SD, SE, etc.)		SE	

Engine — Exhaust system

Type (single, single with cross-over, dual, other)		Single with crossover and single converter		
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow		
Resonator No. & type		One, bottle type (b)		
Exhaust Pipe	Branch O. D., wall thickness	50.8 x 1.02 (2.0 x .040)		(mm)
	Main O. D., wall thickness	63.5 x 1.73 (2.5 x .068)		(mm)
	Material	Laminated stainless steel tubing		
Inter-mediate Pipe	O. D. & wall thickness	57.15 x 1.73 (2.25 x .068)	63.5 x 1.73 (2.5 x .068)	(mm)
	Material	Aluminised steel tubing		
Tail Pipe	O.D & wall thickness	50.8 x 1.40 (2.0 x .055)	57.15 x 1.80 (2.25 x .071) (c)	
	Material	Aluminized stainless steel tubing		

(a) -6.6°C & above (20°F & above) - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50
-17.7°C to +15.5°C (0° to 60°F) - 10W, 5W-30, 10W-40, 10W-30
-6.6°F & below (20°F and below) - 5W-20, 10W-30

(b) Used with sedans and coupes.

(c) Sedans and coupes with 3.08 ratio rear axle use 63.5mm (2.50") pipe

MVMA Specifications Form
Passenger Car

Car Line Chevrolet | **METRIC**
Model Year 1978 Issued 10-77 Revised (●) 2/78

Engine Displacement		
L-6 - 4.1 L (250 CID) RPO L22	V-8 -5.0L (305 CID) RPO LG3	V-8 - 5.7L (350 CIL RPO LM1

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		Sedans & Coupes - 79.5 (21.0); Station Wagon - 83.3 (22)		(litres)
	Filler location		Sedans & Coupes - Behind Hinged Rear License Plate (a)		
Fuel Pump	Type (elec. or mech.)		Mechanical		
	Locations		Lower Right Front of Engine		
	Pressure range		31.0-41.4 (4.5-6.0)	51.7-62.1 (7.5 - 9.0)	(kPa)
Vacuum booster (std., optional, none)			None		
Fuel Filter	Type		Fine Mesh Plastic Strainer in Gas Tank and		
	Locations		Paper Filter Element in Carburetor Inlet		
Carburetor	Choke type		Automatic		
	Intake manifold heat control (exhaust or water)		Exhaust		
	Air cleaner type	Standard	Single Snorkel to Outside Ducted Air, Closed Paper Element		
		Optional			
	Idle speed (spec. neutral or drive)	Manual	- - - - -		(rpm)
●		Automatic	550/D	500/D	(rpm)
	Idle A/F mix.				

Carburetor Supplementary Information

Model Usage	Piston Displ (litre)	Transmission	Carburetors		No. Used and Type	Barrel Size (mm)
			Make	Model (b)		
Sedans and Coupes	4.1	Automatic	Rochester	17058014 (17058314)	One; 1-bbl	42.9 (1.69)
All	5	Automatic	Rochester	17058108 (17058408)	One; 2-bbl	42.9 (1.69)
All	5.7	Automatic	Rochester	17058202 (17058502)	One; 4-bbl	35.0 (1.38 Pri.) 57.2 (2.25 Sec.)

NOTE: (a) Station Wagons - Left Rear Quarter Panel.
(b) Data Bracketed ( ) pertains to Engine Application Specific to California.

MVMA Specifications Form
Passenger Car

METRIC

Car Line CHEVROLET
Model Year 1978 Issued 10-77 Revised (●) _____

Engine Description/Carb.

4.1 L (250 CID) L6 1-Bbl. RPO L22	5.0L (305 CID) V8/ 2-Bbl. RPO LG3	5.7L (350 CID) V8/ 4-Bbl. RPO LM1

Engine — Cooling System

Coolant recovery system (std., opt., none)			Standard		
Radiator cap relief valve pressure			103.4 (15 PSI)		(kPa)
Circulation thermostat	Type (choke, bypass)		Choke		
	Starts to open at		88.9-92.2 (192-198°F)		(°C)
Water pump	Type (centrifugal, other)		Centrifugal		
	litres/s @ 1000 rpm	79.5 (21 GPM)		85.9 (22.7 GPM)	
	Number of pumps		One		
	Drive (V-belt, other)		V-belt		
	Bearing type		Permanently lubricated double row ball		
By-pass recirculation type (inter., ext.)			Internal		
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)			Cross flow, tube & center		
Cooling system capacity	With heater	13.44 (14.2 qts.)		15.70 (16.6 qts.)	(litres)
	Without heater				(litres)
	Opt. equipment-specify				(litres)
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		
	Lower — Inside diameter		44.4 (1.75)		(mm)
	Upper — Number and type (molded, straight)		One, molded		
	Upper — Inside diameter		38 (1.50)		(mm)
	By-pass — Number and type (molded, straight)		None		
	By-pass — Inside diameter		- - -		(mm)
Radiator	Standard — Width		718.8 (28.30)		
	Standard — Height		431.0 (16.97)		
	Standard — Thickness		31.5 (1.24)		
	A/C — Width		718.8 (28.30)		
	A/C — Height		431.0 (16.97)		
	A/C — Thickness		31.5 (1.24)		
	Heavy duty — Width		718.8 (28.30)		
	Heavy duty — Height		431.0 (16.97)		
	Heavy duty — Thickness	31.5 (1.24)		49.8 (1.96)	
Fan (Standard)	Number of blades & spacing		4		
	Diameter	447.5 (17.62)		483 (19.0)	
	Ratio-fan to crankshaft rev.	1.165:1		0.949:1	
	Fan cutout type		None		
Fan (Optional)	No. of blades and spacing	7		5	
	Diameter	457.2 (18.0)		508 (20.0)	
	Ratio - fan to crankshaft rev.	1.165:1		0.949:1	
	Fan cut-out type		Thermo-modulated viscous type with A/C		

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**

Model Year 1978 Issued 10-77 Revised (●) ____

			Engine Displacement: L-6 - 4.1 Litre, V-8 - 5.0 Litre, All states except Calif.	Engine Displacement: V-8 - 5.7 Litre, California and 49-States above 4000 ft. Altitude
Vehicle Emission Control				
Exhaust Emission Control	Type (Air injection, engine modifications, other)		Engine Modifications	Manifold Air Injection
	Air Injection Pump	Type		Semi-Articulated Vane
		Displacement		316.3 (19.3) (cm³)
		Drive ratio		1.15:1
		Drive type		Crankshaft Pulley
		Relief valve (type)		Diverter
		Filter (describe)		Centrifugal Air Cleaner
	Air Injection System	Air distribution (head, manifold, etc.)		Exhaust Pipe
		Point of entry		Exhaust Pipe
		Injection tube i.d.		[illegible] (.27) (mm)
		Check valve type		Pressure Plate
		Backfire protection (type)		Diverter Valve
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)		Controlled Flow
		Valve type		Vacuum Modulated Shut-Off and Metering Valve
		Valve location		1-6 - Left Front; V-8 - Right Rear of Inlet Manifold
		Control energy source		Carburetor Vacuum
		Exhaust source		Manifold Exhaust Crossover
		Exhaust cooler type		None
		Orifice no. and size		One: 0.7A (0.028) (mm)
		Point of exhaust injection (spacer, carburetor, manifold, other)		Inlet Manifold
	Catalytic Converter System	Catalyst Type		Pt/Pd - Palladium
		Catalyst Volume		4.[illegible] (litres)
		Substrate type		Alumina
		Container location		Beneath right front floorboard; car has Monolith Converter of 0.9 litre Volume for California - 49 Calif. Only.
	Other		Carburetor Hot Air	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emission.

CONTROLLED COMBUSTION SYSTEM

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**
Model Year 1978 Issued 10-77 Revised (●) ____

Engine Displacement		
L-6 - 4.1 Litre/ 1-bbl. RPO L-22	V-8 -5.0 Litre / 2-bbl RPO LG-3	V-8 - 5.7 Litre/ 4-bbl RPO LM-1

Vehicle Emission Control (Continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Induction System
			Optional	- - -
	Control Unit	Make and model		AC Spark Plug
		Location		Rocker Cover - L-6, Top Rear; V-8 - Left Front
		Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
		Control method (variable orifice, fixed orifice, other)		Variable Orifice
	Complete System	Discharges (to intake manifold, other)		Intake Manifold
		Air inlet (breather cap, other)		Carburetor Air Cleaner
		Flame arrestor (screen, other)		Screen
Evaporative Emission Control	Fuel Tank	Thermal expansion volume		Approximately 10% of Refill Capacity (dm³)
		Relief pressure and location		7.6 (1.1) (kPa)
		Vacuum relief and location		4.8 (0.7) (kPa)
		Vapor-liquid separator type		Integral with Fuel Tank
		Vapor vented to (crankcase, canister, other)		Canister
	Carburetor	Vapor vented to (crankcase, canister, other)		Canister / Internally Vented
	Vapor Storage	Storage provision (crankcase, canister, other)		Canister
		Volume or capacity		Approximately 50 grams storage capacity (dm³) (g)
		Control valve type		controlled by orifices and carburetor throttle body and throttle blade position.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET — **METRIC**

Model Year 1978 Issued 10-77 Revised (●) ____

Engine Description/Carb.	4.1 Litre (250 CID) L6/1-Bbl. RPO L22	5.0 Litre (305 CID) V8/2-Bbl. RPO LG3	5.7 Litre (350 CID) V8/4-Bbl. RPO LM1

Electrical — Supply System

Battery	Make and Model	Delco Remy 85-4 "Freedom"	Delco Remy 85-5 "Freedom"	
	Voltage Rtg. & Total Plates	12V, 2500 Watts	12V, 3200 Watts	(V)
	SAE Designation No. and/or capacity	60 Min. Reserve Capacity	80 Min. Reserve Capacity	
	Location	Engine compartment, right front		
Generator or Alternator	Make	Delco Remy		
	Model	1102491	1102394	
	Type and rating	Diode rectified - 37		(A)
	Output at engine idle (neutral)	12-20		(A)
	Ratio—Gen. to Cr/s rev.	2.73:1		
Regulator	Make	Delco Remy		
	Model	- - -		
	Type	Micro circuit unit; integral with alternator		
	Regulated Voltage	13.8 - 14.8		(V)
	Regulated Current	- - -		(A)
	Voltage test conditions Temperature	Operating		(°C)
	Voltage test conditions Load	3 - 8		(A)
	Voltage test conditions Other	None		

Electrical — Starting System

Starting Motor	Make	Delco Remy			
	Model	1108774	1109056	1109052	
Motor Drive	Engagement type	Positive shift solenoid			
	Pinion engages from (front, rear)	Rear			
	Number of teeth Pinion	9			
	Number of teeth Flywheel Manual	- - -	- - -		
	Number of teeth Flywheel Auto	153	168		

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET — **METRIC**
Model Year 1978 Issued 10-77 Revised (●) 2/78

Engine Description/Carb.	4.1 Litre (250 CID) L6/1-Bbl. RPO L22	5.0 Litre (305 CID) V8/ 2-Bbl. RPO LG3	5.7 Litre (350 CID) V8/4-Bbl. RPO LM1

Electrical — Ignition System — Distributor

Distributor	Manual	- - -	- - -	- - -	
	Automatic	1110715 (1110716)	● 1103282	1103353 (1103285)	
Timing	Manual	- - -	- - -	- - -	(○)
	Automatic	10° (6°)	4° (6°)	6° (8°)	(○)

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at kPa	
	Start	Intermediate	Maximum	Start	Maximum
1110715	0@1000	7@1600	20@4200	0@13.5	24@50.7
1110716	0@1000	7@1600	20@4200	0@13.5	15@40.5
1103282	0@1000	10@1700	20@3800	0@13.5	20@33.8
1103353	0@1100	12@1600	22@4600	0@13.5	20@33.8
1103285	0@1200	12@2000	22@4200	0@13.5	10@27.0

Data in brackets ( ) are specific to the State of California.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET **METRIC**

Model Year 1978 Issued 10-77 Revised (●) _____

Engine Description/Carb.	4.1 Litre (250 CID) L6/1-Bbl. RPO L22	5.0 Litre (305 CID) V8/2Bbl. RPO LG3	5.7 Litre (350 V8/4Bbl. RPO LM

Electrical—Ignition System

Type	Conventional - Std., Opt., N.A.	- - -		
	Transistorized - Std., Opt., N. A.	- - -		
	Other (specify)	High Energy Ignition System (H.E.I.)		
Coil	Make	Delco Remy		
	Model	Integral with distributor cap		
	Current — Engine stopped	- - -		(A)
	Current — Engine idling	- - -		(A)
Spark Plug	Make	A. C. Spark Plug		
	Model	R46TS	R45TS	
	Thread	14 (.055)		(mm)
	Tightening torque	33.9 (25lb.ft.)		(N-m)
	Gap	0.89 (.035)	1.14 (.045)	(mm)

Electrical—Suppression

Locations & type	Non metallic high tension ignition cables.

Electrical—Instruments and Equipment

Speedometer	Type	Rectangular Dial with Pointer
	Trip odometer (std. opt., N. A.)	Optional
EGR maintenance indicator		N/A
Charge Indicator	Type	Tell-Tale
	Warning divice	N/A
Temperature Indicator	Type	Tell-Tale
	Warning device	N/A
Oil pressure Indicator	Type	Tell-Tale
	Warning device	N/A
Fuel Indicator	Type	Electric Gauge
	Warning device	N/A
Windshield Wiper	Type - standard	Electric, Two-Speed
	Type - optional	Intermittent Control Type - Optional
	Blade length	457.2 (18.0 in.) (mm)
	Swept area	Coupes 6770 (1049.6 in.^{2}) Sedans & Wagons 6107 (946.8 in.^{2}) (m^2)
Windshield Washer	Type - standard	Push Button
	Type - optional	None
	Fluid level indicator	N/A
Horn	Type	Vibrator
	Number used	Dual-1BN00 Models; One (Low Note) on 1BL00 Models.
	Current draw (A) per horn	4.5 - 6.5@12.5 Volts
Other		Restraint System Warning Light and Buzzer. Parking Brake and Brake Failure Warning Light. Fuel Economy (Vacuum) and Coolant Temperature Gauges in Optional Package.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET
Model Year 1978 Issued 10-77 Revised (●) _____

METRIC

Engine Description/Carb.	4.1L (250 CID) L6/ 1-Bbl. RPO L22	5.0L (305 CID) V8/ 2-Bbl. RPO LG3	5.7L (350 CID) V8/ 4-Bbl. RPO LM1

Drive Units—Clutch (Manual Transmission)

Make & type		
Type pressure plate springs		
Total spring force		(N)
No. of clutch driven discs		NOT
Clutch facing	Material	
	Manufacturer	
	Part Number	APPLICABLE
	Rivets/Plate	
	Rivet size	(mm)
	Outside & inside dia.	(mm)
	Total eff. area	(cm²)
	Thickness	(mm)
	Engagement cushioning method	
Release bearing	Type & method of lubrication	
Torsional damping	Methods: springs, friction material	

Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	N.A.
Manual 4-speed (std., opt., N.A.)	N.A.
Manual 5-speed (std., opt., N.A.)	N.A.
Manual overdrive (std., opt., N.A.)	N.A.
Automatic (std., opt., N.A.)	Standard

Drive Units — Manual Trans.

Number of forward speeds			
Transmission ratios	In first		
	In second		
	In third		
	In fourth		TRANSMISSION
	In fifth		
	In reverse		
Synchronous meshing, specify gears			NOT
Shift lever location			APPLICABLE
Lubricant	Capacity (pt.)		(litres)
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**

Model Year 1978 Issued 10-77 Revised (●) 2/78

		Engine Displacement		
		L-6 - 4.1 Litre (250 CID)-RPO L-22	V-8 - 5.0Litre (305 CID)-RPO LG3	V-8 - 5.7 Litre (350 CID)-RPO LM1
Drive Units—Automatic Transmission				
Trade name		3-Speed Automatic		
Type (describe)		Torque Converter with Planetary Gears		
Selector location		Lever - Steering Column		
Gear Ratios	P	Park		
	R ●	1.93		2.07
	N	Neutral		
	D	2.52 - 1.52 - 1.00		2.74 - 1.57 - 1.00
	L2	2.52 - 1.52		2.74 - 1.57
	L1	2.52		2.74
Max upshift speed - drive range		100 - 124 (a)	121-148(a) 119-145(b)	121-148(a) 119-142(b) (km/h)
Max kickdown speed - drive range		95 - 117 (a)	114-142(a) 113-140(b)	113-142(a) 111-140(b) (km/h)
Torque Converter	Number of elements	3		
	Max ratio at stall	2.0		2.35
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	298.4 (11.75) (mm)		
Lubricant	Capacity - refill	3.8 (8)		3.3 (7) (litres)
	Type recommended	Dexron II		
Special transmission features				

Drive Units—Axle

Type (front, rear)		Rear	
Description		Semi-floating Axles, Overhung Hypoid Drive Pinion and Ring Gear	
Limited Slip differential, type		Disc Clutch	
● Drive Pinion Offset		38 (1.50)-7.50; 44 (1.75)-8.5 & 8.75 O.D. Vertical (mm)	
No of differential pinions		Two	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj (shim, other)		Collapsible Sleeve	
Wheel bearing type		Direct or Single Row Cylindrical	
Lubricant	Capacity	1.5 (3.25) - 191 mm; 1.9 (4.0) - 216 and 222 mm (litres)	
	Type recommended	GL-5 Gear Lubricant	
	SAE viscosity number — Summer	80W - 90	
	SAE viscosity number — Winter	80W - 90	
	SAE viscosity number — Extreme cold	80W - 90	

Axle Ratio Tooth Combinations (See "Power Teams" for axle ratio usage)

Axle ratio		2.41	2.41	2.73	3.08	2.56	3.08
No of teeth	Pinion	17	17	15	13	16	13
	Ring gear	41	41	41	40	41	40
Ring Gear O D		191 (7.50)	216 (8.50)			222 (8.75)	

(a) Sedans and Coupes
(b) Station Wagons

MVMA Specifications Form
Passenger Car

Car Line Chevrolet
Model Year 1978 Issued 10-77 Revised (●)

METRIC

Engine	Series		Body Style			Ring gear Dia. (mm
	Impala	Caprice	Coupe	Sedan	St. Wagon	
4.1 Litre	x	x	x	x		216
	x	x				
5.0 Litre	x		x	x		191* & 216
		x	x			
		x		x		191*
	x	x			x	222
5.7 Litre	x	x	x	x		191*
	x	x			x	222

* - Ring gears for limited slip axle - 216 mm.

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET — **METRIC**
Model Year 1978 Issued 10-77 Revised (e) ____

Engine Description/Carb.

7.50 in. Ring Gear	8.50 & 8.75 in. Ring Gear

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 Applicable	(mm)
	Manual 4-speed trans.		N.A.	(mm)
	Manual 5-speed trans.		N.A.	
	Overdrive		N.A.	
	Automatic transmission		76.2 x 1489.2 x 1.65 (3.0 x 58.63 x .065) / 76.2 x 1464.2 x 1.65 (3.0 x 57.65 x .065)	(mm)
Intermediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		- - -	
Slip Yoke	Type		Yoke	
	Number of teeth		27	
	Spline O. D.		29.858 - 29.883 (1.1755 - 1.1765) / 29.845 - 29.850 (1.1750 - 1.1752)	(mm)
Universal joints	Make and Mfg. No.		Saginaw 44	
	Number used		Two	
	Type (ball and trunnion, cross)		Cross	
	Rear attach. (u-bolt, clamp, etc.)		Strap & Bolt	
	Bearing	Type (plain, anti-friction)	Anti-friction	
		Lubric. (fitting, prepack)	Prepack	
Drive taken through (torque tube or arms, springs)			Control Arm	
Torque taken through (torque tube or arms, springs)			Control Arm	

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

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**

Model Year 1976 Issued 10-77 Revised (●) 2/78

Body Type And/Or Engine Displacement, Etc.		
Sedan and Coupes		Station Wagons
L6	V-8	

Drive Units — Tires And Wheels (Standard)*

TIRES	Size, load range, ply		FR78-15 (B/W, W/S)	HR78-15 (B/W, W/S)	
	Type (bias, radial, etc.)		Glass belt radial	Steel belted radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front	193 (28)	165 (24)	(kPa)
		Rear	193 (28)	221 (32)	(kPa)
	Rev./km@ 70 km/h		484 @ 72 (779 @ 45)	462 @ 72 (744 @ 45)	
WHEELS	Type & material		Short spoke disc, steel		
	Rim (size & flange type)		15 x 6 JJ	15 x 7 JJ	
	Wheel offset		12.7 (0.50)	7.5 (0.30)	
	Attachment	Type (bolt or stud)	STUD		
		Circle diameter	120.6 (4.75)	127.0 (5.00)	
		Number & size	5-7/16-20 UNF-2B hex nuts	5-1/2-20 UNF-2B hex nuts	
	Spare wheel (same or other)		Same		

Drive Units — Tires And Wheels (Optional)*

Size, load range, ply	FR78-15 (B/W, W/S)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material	Short spoke disc, steel	
● Rim (size, flange type, and offset)	15x7 JJ; 0.030 (A)	
Size, load range, ply	GR78-15	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply	GR70-15 (W/S)(A)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		

Brakes — Parking

Type of control	Foot pedal apply; 'T' handle release	
Location of control	Under instrument panel, left of steering column	
Operates on	Rear service brakes	
If separate from service brakes — Type (internal or external)	---	
If separate from service brakes — Drum diameter	---	(mm)
If separate from service brakes — Lining size (length x width x thickness)	---	(mm)

* Use current tire and wheel size codes.

● (A) Regular with RPO F41 Sport suspension, RPO PB2 Deluxe Wheel Trim covers

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**

Model Year 1978 Issued 10-77 Revised (●) _____

	Body Type And/Or Engine Displacement	
	Sedans and Coupes	Station Wagons

Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	---		
		Rear	Standard		
	Disc	Front	Standard		
		Rear	---		
Self adjusting (std., opt., N.A.)			Standard		
Special Valving	Type (proportion, delay, metering, other)				
Power Brake (std., opt., N.A.)			Standard		
Booster Type (remote, integral, etc.)			Integral		
Effective area *			648.3 (100.52)	717.0 (111.17)	(cm²)
Gross lining area **			716.6 (111.1)	792.1 (122.8)	(cm²)
Swept area ***			2127.3 (329.8)	2419.7 (375.14)	(cm²)
Drum	Diameter (nominal)	Front	---		(mm)
		Rear	241.3 (9.5)	279.4 (11.0)	(mm)
	Type and material		Cast iron, finned		
Rotor	Outer working diameter		279.4 (11.0)	301.2 (11.86)	(mm)
	Inner working diameter		177.8 (7.0)	197.1 (7.76)	(mm)
	Thickness		26.2(1.03)		(mm)
	Material & type (vented/solid)		Cast iron, vented		
Wheel cylinder bore	Front		74.7 (2.9375)		(mm)
	Rear		22.22 (.875)	23.812 (.9375)	(mm)
Master Cylinder	Bore		28.57 (1.125)		(mm)
	Stroke		39.62 (1.56)		(mm)
Pedal arc ratio			3.5:1		
Line pressure at 445 N pedal force					(MPa)
Shoe Clearance	Front		Self Adjusting		(mm)
	Rear		Self Adjusting		(mm)
Anti-skid device type (std., opt., N.A.)			N.A.		
Brake lining	Bonded or riveted, rivets/seg		Riveted		
	Rivet size		Front - 5.33 x 9.12 (.210 x .359); rear - 3.6x6.35(.143x.250)		(mm)
	Manufacturer		Delco Moraine		
	Part number				
	Front Wheel — Material		Molded Asbestos		
	Front Wheel — Size (length x width x thickness)	Prim. or outboard	137.2 x 48.8 x 11.81 (5.40 x 1.92 x .465)		(mm)
					(mm)
		Second or inboard	137.2 x 48.8 x 11.81 (5.40 x 1.92 x .465)		(mm)
					(mm)
	Front Wheel — Segments per shoe		One		
	Front Wheel — Shoe thickness		Inboard - 15.75(.620); Outboard - 14.0(.550)		(mm)
	Rear Wheel — Material		Molded Asbestos		
	Rear Wheel — Size (length x width x thickness)	Prim. or outboard	192.5 x 50.8 x 4.98	225.0 x 50.8 x 5.6	(mm)
			(7.58 x 2.0 x .196)	(8.86 x 2.0 x .22)	(in)
		Second or inboard	249.7 x 50.8 x 6.73	291.3 x 50.8 x 6.6	(mm)
			(9.83 x 2.0 x .265)	(11.47 x 2.0 x .26)	(in)
	Rear Wheel — Segments per shoe		One		
	Rear Wheel — Shoe thickness		Pri.-7.64; Sec-9.40	Pri.-8.25; Sec-9.27	(mm)
			(Pri..301; Sec- .370)	(Pri.-.325; Sec-.365)	(in)

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus square of Inner Working Dia. multiplied by π/2 for each brake.)

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET **METRIC**

Model Year 1978 Issued 10-77 Revised (•) _____

Sedans & Coupes	Station Wagons

Steering

Manual (std., opt., NA)				N.A.		
Power (std., opt., NA)				Standard		
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt - Universally jointed steering shaft at base of steering wheel.		
		(std., opt., NA)		Optional		
Wheel diameter		Manual		- - -		(mm)
		Power		387.3 (15.25)		(mm)
Turning diameter	Outside front	Wall to wall (l. & r.)		13.58 (44.55)	13.75 (45.11)	(m)
		Curb to curb (l. & r.)		11.83 (38.81)	12.08 (39.63)	(m)
	Inside rear	Wall to wall (l. & r.)				(m)
		Curb to curb (l. & r.)				(m)
Manual	Gear	Type				
		Make				
		Ratios	Gear			
			Overall			
	No. wheel turns (stop to stop)					
Power	Type (coaxial, linkage, etc.)			Integral gear with power piston and vane type pump		
	Make			Saginaw steering gear		
	Gear	Type		Semi-reversible, recirculating ball nut		
		Ratios	Gear	14.0:1	16.0:1 on center	
			Overall	16.45:1	18.8:1 on center	
	Pump driven by			Crankshaft Pulley		
	No. wheel turns (stop to stop)			3.16	3.30	
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		
	Inclination at camber			9.785 @ 1°		(°
Steering Axis	Bearings (type)	Upper		Ball stud with non-metallic surfaces		
		Lower		Ball stud with non-metallic surfaces		
		Thrust		None		
Whl. Align. (range at curb mass & preferred)	Caster			+3.0±1.0		(°
	Camber			+0.8±0.8		(°
	Toe-in (outside track)			+0.12±0.12		(mm)
Steering spindle & joint type						
Wheel Spindle	Diameter	Inner bearing		31.7 (1.25)		(mm
		Outer bearing		19.0 (0.75)		(mm
	Thread size *			3/4 - 20		
	Bearing type			Taper Roller		
Wheel Align. @ curb wt.	Service checking	Caster (deg.)		+2° to +4°		
		Camber (deg.)		0° to +1.6°		
		Toe-in (outside)		+0.5 to +.25°		
	Service reset	Caster		+3° ± 0.5°		
		Camber		+0.8 ± 0.5°		
		Toe-in		+.15 ± .05°		
	Periodic M.V. inspection	Caster		+1° to +5°		
		Camber		-0.7° to +2.3°		
		Toe-in		-.15° to +.55°		

* indicate inch or metric

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**
Model Year 1978 Issued 10-77 Revised (●) ____

Body Type And/Or Engine Displacement	
Sedans and Coupes	Station Wagons

Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling		Front stabilizer bar
Provision for brake dip control		Front Suspension geometry
Provision for acc. squat control		Rear Suspension geometry
Special provisions for car jacking		Position jack in bumper slot on lower face of front and rear bumpers
Shock absorber front & rear	Type	Direct double acting hydraulic
	Make	Delco
	Piston dia.	27.0 (1.06) (mm)
Other special features		Air booster shock absorbers optional on rear of vehicles

Suspension — Front

Type and description		Independent - SLA type with coil springs	
Travel	Full Jounce	90.4 (3.56) (mm)	
	Full Rebound	107.7(4.24) (mm)	
Spring	Type (coil, leaf, other)	Coil	
	Material	Steel Alloy	
	Size (coil design height & I.D., bar length x dia.) (A)	241.3 x 114.3 x 274.3 x 15.2 (9.5 x 4.5 x 108.0 x .60)	241.3 x 114.3 x274.3 x 16.8 (9.5 x 4.5 x 108.0 x 0.66) (mm)
	Spring rate (A)	52.5 (300)	77.0 (440) (kN/m)
	Rate at wheel	15.3 (87)	22.0 (125) (kN/m)
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	Steel; 26 (1.00) (mm) / Steel; 29 (1.14) (b)	Steel; 28 (1.10) (mm) / - - -

Suspension — Rear

Type and description		Salisbury 4-link type with coil springs	
Drive and torque taken through		Control arms	
Travel	Full Jounce	122.7 (4.83)	101.1 (3.98) (mm)
	Full Rebound	116.3 (4.58)	112.0 (4.41) (mm)
Spring	Type (coil, leaf, other)	Coil	
	Material	Steel Alloy	
	Size (length x width, coil design height & I.D., bar length & dia.) (A)	254.0 x 139.7x2428.2x12.8 (10.0x5.5x95.6x.504)	254.0x139.7x2585.7x15.5 (10.0x5.5x101.8x.609) (mm)
	Spring rate (A)	17.5 (100)	29.0 (165) (kN/m)
	Rate at wheel	18.9 (108)	28.7 (164) (kN/m)
	Mounting insulation type		
	If leaf: No. of leaves	- - -	
	If leaf: Shackle (comp. or tens.)	- - -	
Stabilizer	Type (link, linkless, frameless)	Link	- - -
	Material & bar diameter	Steel - 21.8(0.86) (b) (mm)	- - - (mm)
Track bar type		- - -	

(A) For base equipped model. Springs for all models computer selected by size and rat according to vehicle weights including optional equipment.

(B) Used with RPO F41 Sport suspension equipment.

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**
Model Year 1978 Issued 10-77 Revised (•) 2/78

Body Type		
4-Door Sedans	2-Door Coupes	Station Wagons

Frame

Type and description (Separate frame, unitized frame, partially - unitized frame): Perimeter type, two ~~cross~~ members

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Lacquer			
Hood counterbalanced (yes, no)		Yes			
Hood release control (internal, external)		Internal			
Vehicle indent. No. location		Top left hand of instrument panel pad.			
Theft protection - type		Lock mounted on steering column; locks steering wheel, transmissic shift levers and ignition.			
Vent window control method (crank, friction pivot, power)	Front	None			
	Rear	None			
Seat cushion type	Front	Formed full foam pad			
	Rear	Formed full foam pad			
	3rd seat	Formed full foam pad			
Seat back type	Front	Formed full foam pad			
	Rear	Formed full foam pad			
	3rd seat	Formed full foam pad			
Windshield glass type		Curved - Laminated plate			
Side glass type		Curved - Tempered plate			
Backlight glass type		Curved - Tempered plate			
Windshield glass exposed surface area		8619 (1336.3 in²)			(cm²)
Side glass exposed surface area		11998 (1860.1 in²)	10885 (1687.6 in²)	19952 (3093.3in²)	(cm²)
Backlight glass exposed surface area		7525 (1166.7 in²)	7564 (1172.7 in²)	4661 (722.6in²)	(cm²)
Total glass exposed surface area		28142(4363.1 in²)	27068 (4196.6 in²)	33232 (5152.2in²)	(cm²)

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET **METRIC**
Model Year 1978 Issued 10-77 Revised (●) ____

Body Type		
4-Door Sedans	2-Door Coupes	Station Wagons

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	N.A.
	Backlight or tailgate	N.A. / Optional
Power seats (specify type as well as availability)		Optional - 6 way 50/50 power bench seat (left only), all models. - 6 way power bench, all models.
Reclining front seat back (R-L or both)		N.A.
Radios (specify type as well as availability)		Optional - AM push-button, AM/FM, (2) included in stereo unit. AM stereo with Tape, AM/FM stereo with tape
Rear seat speaker		(1) Optional with AM & AM/FM, (2) included in
Power antenna		Optional
Clock		Standard 1BN00 models, Optional 1BL00 models.
Air conditioner (specify type and availability)		Optional - "Four Season", manual controls. Optional - "Comfortron", Automatic temperature control.
Speed warning device		N.A
Speed control device		Optional
Ignition lock lamp		N.A.
Dome lamp		Standard
Glove compartment lamp		Standard
Luggage compartment lamp		Standard / Optional-Rear Compt.
Underhood lamp		Optional
Courtesy lamp		Standard 1BN00 models, Optional 1BL00 models.
Map lamp		N.A.
Cornering lamp		N.A.
Rear window defroster electrically heated		Optional
Rear window defogger		Optional
Theft protection - type		Optional
Windshield antenna		Included with factory installed radio, also available w/o radio.
		Optional / - - -

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	711.7 (28.0 in.)		(mm)
		Lowest	- -		(mm)
	Tail (H126)	Highest	724.7 (28.5 in.)	727.5 (28.7 in.)	(mm)
		Lowest	- -	- -	(mm)
	Sidemarker	Front	671.7 (26.4 in.)	671.2 (26.4 in.)	(mm)
		Rear	711.5 (28.0 in.)	588.7 (23.2 in.)	(mm)
Distance from C/L of car to center of bulb	Headlamp	Inside			(mm)
		Outside**			(mm)
	Tail	Inside			(mm)
		Outside			(mm)
	Directional	Front			(mm)
		Rear			

*Measured at curb weight

**If single headlamps are used enter here

MVMA Specifications Form
Passenger Car

Car Line Chevrolet | METRIC

Model Year 1978 Issued 10-77 Revised (e) 2/78

Vehicle Mass

Model	CURB MASS * (kg)			% PASS MASS DISTRIBUTION				SHIPPING MASS ** (kg)
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
IMPALA								
4-door Sedan-1BL69(a)	897	745	1642					1592
	(1978)	(1642)	(3620)					(3510)
2-door Coupe-1BL47(a)	891	741	1632					1582
	(1964)	(1634)	(3598)					(3488)
4-door, 2-seat Station Wagon-1BL35 (b)	915	960	1875					1823
	(2017)	(2116)	(4133)					(4019)
CAPRICE CLASSIC								
4-door Sedan-1BN69(a)	912	755	1667					1617
	(2011)	(1664)	(3675)					(3565)
2-door Coupe-1BN47(a)	901	751	1652					1602
	(1986)	(1656)	(3642)					(3532)
4-door, 2-seat Station Wagon-1BN35(b)	923	973	1896					1844
	(2035)	(2145)	(4180)					(4065)

(a) with L6-250 Cu. In. Engine
(b) with V8-305 Cu. In. Engine

Curb weight - The calculated weight of a vehicle with standard equipment only as designed with the additional load of oils, lubes, coolants, and fuel all filled to capacity.

Shipping weight: Same as base curb weight except 3 gallons of gasoline.

* Reference - SAE J1100 Passenger Car Dimension Definitions, Pg. 1, Base Curb Weight.

** Shipping mass definition.

MVMA Specifications Form
Passenger Car

Car Line Chevrolet — **METRIC**
Model Year 1978 Issued 10-77 Revised (●)

Equipment Differential Mass	Optional Equipment Mass			Remarks
	MASS (kg)			
	Front	Rear	Total	
Air Conditioning	29.5	2.3	31.8	With 6 Cylinder engine
Comfortron	(+ 65)	(+ 5)	(+ 70)	
	37.2	2.3	39.5	With V8 Engine
	(+ 82)	(+ 5)	(+ 87)	
Air Conditioning	28.6	1.8	30.4	With 6 Cylinder Engine
4-Season	(+ 63)	(+ 4)	(+ 67)	
	36.3	1.8	38.1	With V8 Engine
	(+ 80)	(+ 4)	(+ 84)	
Electric Door Locks	0.9	0.9	1.8	2-Door Models
	(+ 2)	(+ 2)	(+ 4)	
	1.8	1.4	3.2	4-Door Models
	(+ 4)	(+ 3)	(+ 7)	
Power Frt. Bench Seat	4.5	4.1	8.6	
	(+ 10)	(+ 9)	(+ 19)	
oor mats front & Rear	1.4	1.8	3.2	
	(+ 3)	(+ 4)	(+ 7)	
Vinyl Roof Cover(padded)	0.9	1.4	2.3	
	(+ 2)	(+ 3)	(+ 5)	
Power Windows	2.3	1.4	3.7	2-Door Models
	(+ 5)	(+ 3)	(+ 8)	
	4.1	4.5	8.6	4-Door Models
	(+ 9)	(+ 10)	(+ 19)	
Heavy duty Front & Rear	3.2	10.9	14.1	
Suspension	(+ 7)	(+ 24)	(+ 31)	
Wheel Trim Covers	1.6	1.6	3.2	
	(+ 3.5)	(+3.5)	(+ 7)	
Bumper Impact Strips	0.7	0.7	1.4	
	(+1.5)	(+1.5)	(+ 3)	
Bumper Guards	2.7	1.4	4.1	
Front and Rear	(+ 6)	(+ 3)	(+ 9)	

MVMA Specifications Form
Passenger Car

Car Line Chevrolet
Model Year 1978 Issued 10-77 Revised (●)

METRIC

Optional Equipment Mass

Equipment Differential Mass	MASS (kg) Front	Rear	Total	Remarks
Radio AM Push-button	2.3	0.9	3.2	
	(+5)	(+2)	(+7)	
Radio AM/FM Push-button	3.2	1.8	5.0	
	(+ 7)	(+4)	(+ 11)	
Radio AM/FM stereo	4.5	1.8	6.3	
	(+ 10)	(+ 4)	(+ 14)	
Radio AM Stereo & Tape	5.0	1.8	6.8	
	(+ 11)	(+ 4)	(+ 15)	
Radio AM/FM Stereo & Tape	5.4	1.8	7.2	
	(+ 12)	(+ 4)	(+ 16)	
Auxiliary speaker	0	1.4	1.4	
	(0)	(+ 3)	(+ 3)	
Roof Luggage Carrier	0	9.5	9.5	
	(0)	(+ 21)	(+ 21)	
305 Cu. In. V8 Engine LG3	46.3	2.7	49.0	Sedans and Coupes
	(+102)	(+ 6)	(+108)	
350 Cu.In. V8 Engine LM1	49.4	3.6	53.0	Sedans and Coupes
	(+109)	(+ 8)	(+117)	
	4.1	0	4.1	Station Wagons
	(+ 9)	(0)	(+ 9)	

MVMA Specifications Form
Passenger Car

Car Line CHEVROLET — **METRIC**
Model Year 1978 Issued 10-77 Revised (●) 2-78

Body Type

4-Door Sedans	2-Door Coupes	Station Wagons

Vehicle Fiducial Marks

Fiducial Mark Number *

Define Coordinate Location (mm)

Front

X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE-FRONT, MEASURED HORIZONTALLY FROM THE BASE GRID LINE TO THE FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.

Y - FIDUCIAL MARK TO CENTERLINE OF CAR-FRONT, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.

Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE-FRONT, MEASURED VERTICALLY FROM BASE GRID LINE TO FRONT FIDUCIAL MARK LOCATED ON TOP OF THE FRONT SEAT ADJUSTER MOUNTING BOLT.

Rear

X - FIDUCIAL MARK TO VERTICAL BASE GRID LINE-REAR MEASURED HORIZONTALLY FROM BASE GRID LINE TO THE REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.

Y - FIDUCIAL MARK TO CENTERLINE OF CAR-REAR, WIDTH MEASUREMENT MADE FROM CENTERLINE OF CAR TO FIDUCIAL MARK LOCATED ON THE REAR UNDERBODY CROSSBAR.

Z - FIDUCIAL MARK TO HORIZONTAL BASE GRID LINE-REAR, MEASURED VERTICALLY FROM BASE GRID LINE TO THE REAR FIDUCIAL MARK LOCATED ON REAR UNDERBODY CROSSBAR.

Fiducial Mark Number	Coordinate Location of Fiducial Mark (mm) X	Y	Z		Fiducial Mark to Ground at Curb (mm)
Front	754 (29.7)	564 (22.2)	9 (.4)	COUPES	330 (13.0in)
	754 (29.7)	564 (22.2)	9 (.4)	SEDANS	330 (13.0in)
	754 (29.7)	564 (22.2)	9 (.4)	WAGONS	330 (13.0in)
Rear	3 533 (139.1)	254 (10.0)	86 (3.4)	COUPES	432 (17.0in)
	3 533 (139.1)	254 (10.0)	86 (3.4)	SEDANS	432 (17.0in)
	3 440 (135.4)	302 (11.9)	-34 (-1.3)	WAGONS	432 (17.0in)

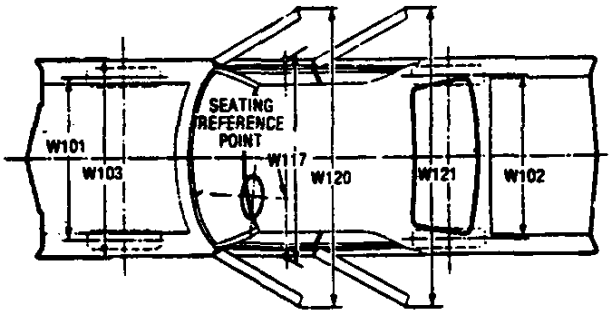
*Reference — SAE Recommended Practice, J182, A Motor Vehicle Fiducial Marks - September, 1973

MVMA Specifications Form
Passenger Car

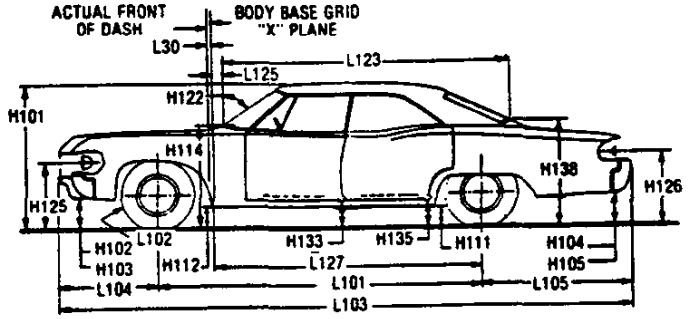
METRIC

Exterior Car And Body Dimensions — Key Sheet

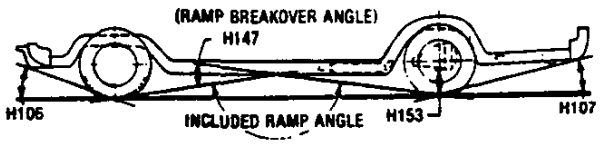
Width



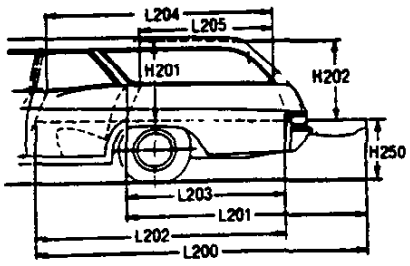
Length & Height



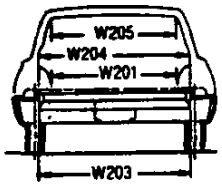
Ground Clearance



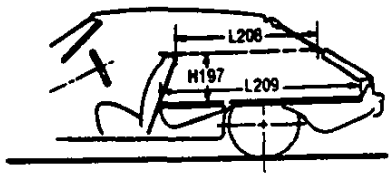
Station Wagon



Cargo Space



Hatchback

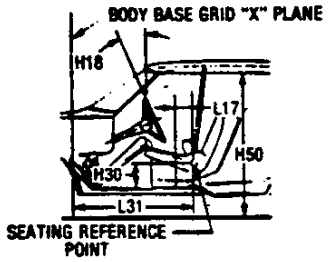


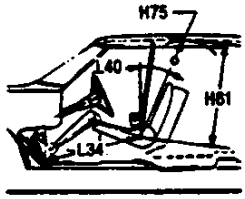
MVMA Specifications Form
Passenger Car

METRIC

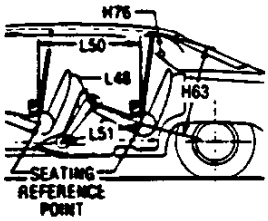
Interior Car And Body Dimensions – Key Sheet

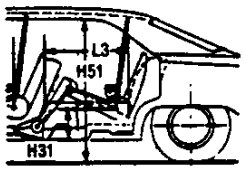
Front Compartment



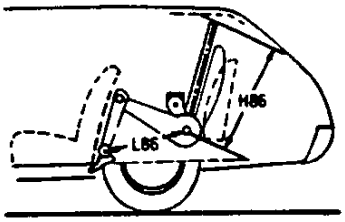


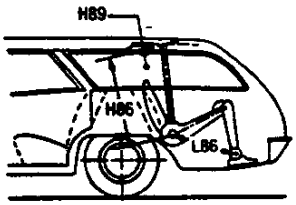
Rear Compartment

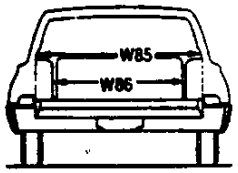




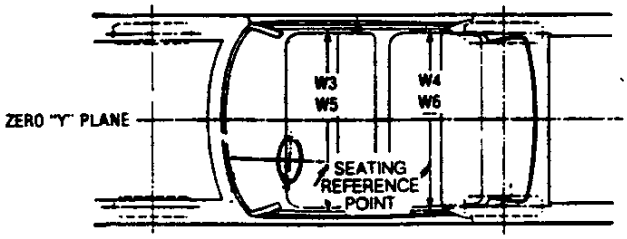
Third Seat







Interior Width



MVMA Specifications Form
Passenger Car

METRIC

Interior Car And Body Dimensions — Key Sheet
Dimension Definitions

W201 CARGO WIDTH — WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND (CURB WEIGHT). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

V2 STATION WAGON.

Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = Ft.^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = m^3 \text{(cubic meter)}$$

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer

Hatchback — Cargo Space Dimensions

All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electrically adjusted seats, see manufacturer's specifications for Design 'H' Point).

H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane

L209 CARGO LENGTH AT FLOOR — FRONT — HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane

V3 HATCHBACK.

Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = Ft.^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = m^3 \text{(cubic meter)}$$

MVMA Specifications Form
Passenger Car

METRIC

Index

MVMA Specifications Form
Passenger Car

METRIC

Exterior Car And Body Dimensions — Key Sheet
Dimension Definitions

Width Dimensions

W101 TREAD — FRONT. The dimension measured between the tire centerlines at the ground.

W102 TREAD — REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.

W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.

W117 BODY WIDTH AT SgRP — FRONT. The dimension measured laterally between the widest points on the body at the SgRP - front, excluding door handles, applied moldings, or appliques.

W120 VEHICLE WIDTH — FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.

W121 VEHICLE WIDTH — REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

Length Dimensions

L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash is forward of the zero "X" plane.

L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.

L102 TIRE SIZE. As specified by the manufacturer.

L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L104 OVERHANG — FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L105 OVERHANG — REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.

L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

L125 COWL POINT "X" COORDINATE.

Height Dimensions

H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.

H114 COWL POINT TO GROUND. Measured at zero "Y" plane.

H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

H112 ROCKER PANEL — FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

H132 BOTTOM OF DOOR OPEN — FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H111 ROCKER PANEL — REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.

H134 BOTTOM OF DOOR OPEN — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H135 BOTTOM OF DOOR CLOSED — REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.

H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.

H125 HEADLAMP TO GROUND. The dimension measured vertically from the centerline of the lowest headlamp lens to ground.

H126 TAILLAMP TO GROUND. The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

H103 FRONT BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.

H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.

H105 REAR BUMPER TO GROUND — CURB WEIGHT. Measured in the same manner as H104.

H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.

H147 REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.

H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.

H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION — FRONT.

L31 SgRP — FRONT "X" COORDINATED.

MVMA Specifications Form
Passenger Car

METRIC

Interior Car And Body Dimensions — Key Sheet
Dimension Definitions

H61 EFFECTIVE HEAD ROOM — FRONT. The dimension measured along a line 8 deg rear of vertical from the SgRP - front to the headline, plus 4.0 in. (102 mm).

H75 EFFECTIVE T-POINT HEAD ROOM — FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).

L34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP - front plus 10.0 in. (254 mm) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.

H30 SgRP — FRONT TO HEEL. The dimension measured vertically from the SgRP - front to the accelerator heel point.

L17 DESIGN H-POINT — FRONT TRAVEL. The dimension measured horizontally between the design H-point - front in the foremost and rearmost seat track positions

W3 SHOULDER ROOM — FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front within the belt line and 10.0 in. (254 mm) above the SgRP - front

W5 HIP ROOM — FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP - front within 1.0 in. (25 mm) below and 3.0 (76 mm) above the SgRP - front and 3.0 (76 mm) fore and aft of the SgRP - front.

H150 UPPER BODY OPENING TO GROUND — FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP - front "X" plane.

H118 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.

L40 BACK ANGLE — FRONT. The angle measured between a vertical line through the SgRP - front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION — SECOND

L50 SgRP COUPLE DISTANCE. The dimension measured horizontally from the driver SgRP - front to the SgRP - second.

H63 EFFECTIVE HEAD ROOM — SECOND. The dimension measured along a line 8 deg rear of vertical from the SgRP to the headlining, plus 4.0 in. (102 mm)

H76 EFFECTIVE T-POINT HEAD ROOM — SECOND. Measured in the same manner as H75

L51 MINIMUM EFFECTIVE LEG ROOM — SECOND. The dimension measured along a line from the ankle pivot center to the SgRP - second plus 10.0 in. (254 mm)

H31 SgRP — SECOND TO HEEL. The dimension measured vertically from the SgRP - second to the two-dimensional device heel point on the depressed floor covering

L48 KNEE CLEARANCE — SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).

L3 COMPARTMENT ROOM — SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion

W4 SHOULDER ROOM — SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP - second within 10.0-16.0 in. (254-406) above the SgRP - second.

W6 HIP ROOM — SECOND. Measured in the same manner as W5.

H51 UPPER BODY OPENING TO GROUND — SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 13.0 in. (330 mm) forward of the SgRP - second.

Luggage Compartment Dimensions

V1 USABLE LUGGAGE CAPACITY — Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SEA-J1100A.

H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Station Wagon — Third Seat Dimensions

PD3 PASSENGER DIRECTION — THIRD.

W85 SHOULDER ROOM — THIRD. Measured in the same manner as W5.

W86 HIP ROOM — THIRD. Measured in the same manner as W5.

L86 EFFECTIVE LEG ROOM — THIRD. The dimension measured along a line from the ankle pivot center to the SgRP - third plus 10.0 in. (254 mm).

H86 EFFECTIVE HEAD ROOM — THIRD. The dimension measured along a line 8 deg from the SgRP - third to the headlining rear of vertical plus a constant of 4.0 in. (102 mm).

H89 EFFECTIVE T-POINT HEAD ROOM — THIRD. Measured in the same manner as H75.

Station Wagon — Cargo Space Dimensions

L200 CARGO LENGTH — OPEN — FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L201 CARGO LENGTH — OPEN — SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L202 CARGO LENGTH — CLOSED — FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L203 CARGO LENGTH — CLOSED — SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT — FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab back panel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT — SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane

GENERAL

MODEL IDENTIFICATION

BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
B–CAR	IMPALA	4-Dr. Sedan	1BL69	6
		2-Dr. Coupe	1BL47	6
		4-Dr. Station Wagon	1BL35	2-Seat*
	CAPRICE CLASSIC	4-Dr. Sedan	1BN69	6
		2-Dr. Coupe	1BN47	6
		4-Dr. Station Wagon	1BN35	2-Seat*

*Third seat available – RPO AQ4.

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation

1 L 69 U 8 J 100001

- 100001 — Sequential No.
- J — Assembly Plant (*)
- 8 — Model Year 1978
- U — Engine Type (**)
- 69 — Body Style (last two digits of model Number)
- L — Car line & Series (***)
- 1 — Make ("1" for Chevrolet)

*J – Janesville–GMAD S – St. Louis–GMAD
#1 – Oshawa-Canadian Plt. C – Southgate–GMAD
D – L6-250 (110 H.P.)
**U – V8-305 (145 H.P.)
L – V8-350 (170 H.P.)
***L – Impala Models N – Caprice Classic

EXAMPLE: The twenty-fifth Chevrolet vehicle built at GMAD Janesville if it were a 1BL69 model (Impala Sedan) with a V8-305 (145 H.P.) engine would bear VIN number 1L69U8J100025.

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

TRANSMISSION IDENTIFICATION

Example: S8E01

Type Designation	Source Designation	Model Year 1978	Production[o] Month & Date
WK	Y (Toledo)	8	E01D*

WK	3-Speed Auto.	L-6 engine	D – Parma Y – Toledo
AG	3-Speed Auto.	V-8 engine	D – Parma Y – Toledo

Location:
3-Speed Automatic . . . . . Stamped on right side of transmission, above filler plug.

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

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

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

ENGINE IDENTIFICATION

Example: F1210CCK

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

250 Cubic Inch L-6, Base Engine

CCK - Regular production engine, 3-Speed Automatic

305 Cubic Inch V-8 engine (RPO LG3)

CTL - Optional, 3-Speed Automatic, 2-bbl. carb.

350 Cubic Inch V-8 engine, (RPO LM1)

CHF - Optional, 3-Speed Automatic, 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

2GF – 2.41 Axle
2YU – 2.56 Axle
2NC – 2.73 Axle
2NF – 3.08 Axle

Location, Identification Number
Bottom left or right of axle tube adjacent to carrier housing.

See Power Train section for additional Information.

STANDARD EXTERIOR EQUIPMENT
SEDANS AND COUPES

FRONT	Impala	Caprice Classic
Windshield Reveal Moldings	X	X
Concealed Windshield Wipers with Articulated Left Arm	X	X
Bumper Mounted Parking Lamps		X
Parking Lamps Mounted Under Headlights	X	
Bright Upper and Lower Grille, Caprice Emblem on Header Panel	X	X
Argent Grille, Bow Tie Emblem on Header Panel	X	
Bright Headlamp Bezels on Header Panel	X	X
'Chevrolet' Script on Left Side of Grille	X	X
Bright Grille Frame Moldings	X	X
Bright Fender and Hood Moldings	X	X
SIDE		
Fender Mounted Front Markers	X	X
Rear Quarter Marker Lamps	X	X
'Impala' Script on Sail Panel	X	
'Caprice Classic' Nameplate on Sail		X
Rectangular 5" Outside L.H. Rear View Mirror	X	X
Rocker Panel Moldings–Bright	X	
Bright Body Side Lower Molding Paint Filled		X
Colored PVC Body Side Molding with Bright Mylar Border	O	O
Flush Door Handle–Bright	X	X
Bright Door Belt Molding	X	X
Wheel Trim Covers	O	X
Hub Caps	X	
Bright Roof Drip Moldings	X	X
Bright Door Upper Frame Moldings	X	X
Wheel Opening Moldings	O	X
Vinyl Top or Two-Tone Paint Molding	O **	O
Quarter Window Reveal Molding Bright and Painted	47	47
Bright Quarter Lower Molding Paint Filled		X
REAR		
Deck Lid Nameplate–"Chevrolet"	X	X
Rear Window Reveal Molding–Bright	X	X
Four Tail and Stop Lamps and Two Back-Up Lamps	X	
Six Tail and Stop Lamps and Two Back-Up Lamps		X
Caprice Crest Lock Cover		X

O Optional Usage
** Color keyed to top.

STANDARD EXTERIOR EQUIPMENT
STATION WAGONS

FRONT	Impala	Caprice Estate
Bright Windshield Reveal Moldings	X	X
Concealed Windshield Wipers with Articulated Left Arm	X	X
Bumper Mounted Parking Lamps		X
Parking Lamps Mounted Under Headlights	X	
Bright Upper and Lower Grille, Caprice Emblem on Header Panel		X
Argent Grille, Bow Tie Emblem on Header Panel	X	
Bright, Headlamp Bezels	X	X
'Chevrolet' Script on Left Side of Grille	X	X
Bright Grille Frame Moldings	X	X
Bright Fender and Hood Moldings	X	X
SIDE		
Fender Mounted Front Markers	X	X
Rear Quarter Marker Lamps	X	X
Rectangular 5" Outside L.H. and R.H. Rear View Mirror	X	X
Bright Rocker Panel Moldings	X	
Bright Roof Drip Moldings	X	X
Wheel Trim Covers	O	X
Hub Caps	X	
Bright Flush Door Handle	X	X
Bright Door Upper Frame Moldings	X	X
Wheel Opening Moldings	O	X
Bright Rear Painted Quarter Window Reveal Molding	X	X
Body Side Wood-Grain Applique and Border Moldings		O
Rear Quarter Series Nameplate	X	X
Colored PVC Body Side Molding with Bright Mylar Border	O	O
Bright Two-Tone Paint Molding	O	O
Bright Door Belt Molding	X	X
Sail Panel Emblem		X
REAR		
Tailgate Nameplate–"Chevrolet"	X	X
Tailgate Wood-Grain Applique and Border Molding		O
Bright Tailgate Opening Molding		X
Bright Tailgate Belt and Weatherstrip Moldings	X	X
Bright Trimmed Single Tail, Stop and Back-Up Lamps	X	X
Bright Tailgate Handle	X	X
Bright Electric Tailgate Window Control	X	X
Tailgate Molding – Black PVC with Bright Mylar Insert	X	
Tailgate Molding – Argent PVC with Bright Mylar Border	O	
Tailgate Emblem – Bow Tie	X	
Tailgate Emblem – Caprice Crest		X
Tailgate Lower Molding		X

O Optional Usage

STANDARD INTERIOR EQUIPMENT
SEDANS AND COUPES

INSTRUMENT PANELS AND STEERING WHEELS	Impala	Caprice Classic
Glove Compartment Light	X	X
Cigarette Lighter	X	X
Clock, Electric	O	X
Clock Hole Cover	X	
Instrument Panel Knobs Bright with Rosewood Insert	X	X
Instrument Panel Pad–Upper	X	X
Instrument Panel Upper Trim Plate with Series Nameplate	X (a)	X (b)
Instrument Cluster Bright and Rosewood Trim	X	X
Ash Tray – Illuminated	O	X
Ash Tray Face Plate–Painted	X	X
Windshield Wiper and Washer, Two Speed–Illuminated Control	X	X
Upper Ventilation Outlets and Controls–Black	X	X
Instrument Panel Courtesy Lights	O	X
Turn Signal and Shift Lever Knobs–Color Keyed	X	X
Steering Column Ignition Lock	X	X
Steering Wheel, Soft Vinyl Shroud and Rim – Shroud Insert Rosewood Grain Insert Around Wheel on 1BN	X	X
Color-Keyed Steering Wheel, Shroud, and Column	X	X
Instrument Panel Rosewood Grain Trim and Bright (Upper Area)	X (d)	X (d)
Dual Horns	O	X
Single Horn	X	
Audio and Visual Lap Belt Warning System	X	X
Radio and Heater Control Trim Plate	X (e)	X (e)
GLASS		
Windshield, Laminated Safety Plate Glass	X	X
Backlight Safety Solid Plate Glass	X	X
Side Windows, Safety Solid Plate Glass	X	X

O Optional usage

(a) Bright, Impala script on instrument panel (no trim plate)
(b) Bright, Caprice Classic name on black hi-gloss trim plate
(d) Switch and glove box area (Rosewood and bright, Caprice) (cross grain texture & bright, Impala)
(e) Rosewood on Caprice and cross grain texture on Impala in colors.

NOTE: Rosewood is Hi-Gloss.

STANDARD INTERIOR EQUIPMENT
STATION WAGONS

INSTRUMENT PANEL AND STEERING WHEELS	Impala	Caprice Estate
Glove Compartment Light	X	X
Cigarette Lighter	X	X
Clock, Electric	O	X
Clock Hole Cover	X	
Instrument Panel Knobs Bright with Rosewood Insert	X	X
Instrument Cluster Bright and Rosewood Trim	X	X
Tailgate Window Switch	X	X
Instrument Panel Pad–Upper	X	X
Instrument Panel Upper Trim Plate with Series Nameplate	X (a)	X (b)
Ash Tray – Illuminated	O	X
Ash Tray Face Plate–Painted	X	X
Windshield Wiper and Washer, Two Speed–Illuminated Control	X	X
Upper Ventilation Outlets and Controls–Black	X	X
Instrument Panel Courtesy Lights	O	X
Turn Signal and Shift Lever Knobs–Color Keyed	X	X
Steering Column Ignition Lock	X	X
Steering Wheel, Soft Vinyl Shroud and Rim – Shroud Insert (Has Rosewood Insert) on Rim of 1BN	X	X
Color-Keyed Steering Wheel, Shroud and Column	X	X
Instrument Panel Rosewood Grain Trim and Bright (Upper Area)	X (d)	X (d)
Dual Horns	O	X
Single Horn	X	
Audio and Visual Lap Belt Warning System	X	X
Radio and Heater Control Trim Plate	X (e)	X (e)
GLASS		
Windshield Laminated Safety Plate Glass	X	X
Backlight, Safety Solid Plate Glass	X	X
Side Windows, Safety Solid Plate Glass	X	X

O Optional Usage

(a) Bright, Impala script on instrument panel (no trim plate)
(b) Bright, "Caprice Classic" name on black high-gloss trim plate
(d) Switch and glove box area (Rosewood and bright, Caprice) (cross grain texture and bright, Impala) in colors
(e) Rosewood on Caprice and cross grain texture on Impala in colors

NOTE: Rosewood is High Gloss

INTERIOR EQUIPMENT

ROOF AND PILLARS	Impala			Caprice Classic		
	69	47	35	69	47	35
Headlining Cloth	X	X	X	X	X	X
Rear View Mirror, 12" Prismatic–Textured Black Vinyl Clad (F)	X	X	X	X	X	X
Rear View Mirror Support, Bonded to W/S, Black Painted (F)	X	X	X	X	X	X
Sunshade, Padded, Non-Hook Cloth (F)	X	X	X	X	X	X
Roof Side Rail Garnish Moldings–Painted Metal (F)	X	X	X	X	X	X
Rear Window Moldings–Painted Metal and Plastic (F)		X			X	
Rear Window Upper and Side Moldings–Plastic Painted Metal (F)	X			X		
Quarter Window Garnish Moldings–Painted Metal (F)			X			X
Windshield Garnish Moldings–Plastic (F)	X	X	X	X	X	X
Center Pillar Lower Finish Panel, Molded Plastic (F)	X		X	X		X
Center Pillar Upper Molding–Molded Plastic (F)	X		X	X		X
Rear Quarter Upper Trim Panel, Molded Plastic (F)		X			X	
Coat Hooks, Plastic–Trim Color (Bright) (F)	X	X	X	X	X	X
Center Dome Light–Plastic Lens (F)	X	X	X	X	X	X
Front Door Jamb Switch, Key Reminder and Dome Lamp, L.H. Pillar (F)	X	X	X	X	X	X
Front Door Jamb Switch for Dome Lamp R.H. Pillar (F)	X	X	X	X	X	X
Rear Door Jamb Switches for Dome Lamp (F)				X		X
SEATS AND FLOOR COVERING						
Front and Rear Seat Cushion and Backrest, Full Molded Foam (F)	X	X	X	X	X	X
Single Loop Seat Belt System uses Retractor, Located in Center Pillar on Sedans and Wagons and in Quarter Panel on Coupes for Both Seat and Shoulder Belt	X	X	X	X	X	X
Black Rear Seat Lap Belts (3 Sets) Locking Outer Retractors (F)	X	X	X	X	X	X
Front Seat Center Lap Belt, Black (F)	X	X	X	X	X	X
Front Seat Head Restraints (F)	X	X	X	X	X	X
Front Seat Center Armrest (F)				X		
Front Seat Bright Back–Side Trim Panels (F)				X	X	X
Package Shelf Embossed Board (F)	X			X		
Package Shelf Woven Fiber Board		X			X	
Folding Front Seat Back Locks–Bright (F)		X			X	
Carpet, Floor Covering–Nylon Cut Pile (F)	X	X	X	X	X	X

(F) Fisher Body Released

DOOR AND QUARTER PANEL (F)	Impala			Caprice Classic		
	69	47	35	69	47	35
Plastic Armrest with pad	X	X	X	X	X	X
Plastic Armrest with Pad and Ash Tray	X		X	X		X
Soft Trim Door Panel	X	X	X	X	X	X
Pull Type Door Handle	X	X	X	X	X	X
Rear Quarter Panel with Armrest and Ash Tray		X			X	
Window Control Handle Knobs, Clear Plastic	X	X	X	X	X	X
Door Lock Buttons–Bright	X	X	X	X	X	X
Door Trim Panel Carpet–Cut Pile plus Opt.				X	X	X
Rosewood Wood-Grain Door Panel Plaques, Bright Trim	X	X	X			
Cloth Insert				X	X	X
Front and Rear Door Locks 2-Position Free Wheeling	X	X	X	X	X	X
Front and Rear Door Pull Strap				X	X	X
Rear Quarter Sidewalls–Molded Plastic			X			X
LUGGAGE AREA AND MISC.						
Luggage Compartment Light (C)	X	X		X	X	
Luggage Compartment Spatter Paint (Black) (F)	X	X		X	X	
Luggage Compartment Mat–Tango Carpet (F)	X	X		X	X	
Load Floor–Textured Metal (F)			X			X
Storage Compartment Mat–Vinyl on Foam (F)			X			
Storage Compartment Lining–Vinyl on Foam (F)			O			X

(F) Fisher Body Released
(C) Chevrolet Released
O Optional usage

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
Air conditioning, Four-Season (See page 13 for content)	C60	
Air conditioning, Comfortron: automatic temperature control (See page 13)	C61	
Battery, heavy duty	UA1	
Belts, seat and shoulder: in addition to or replacing standard belts.		
Deluxe belts: (Replacing standard number of belts)		
Coupe and Sedan – 6 seat and 2 shoulder	AK1	
Shoulder belts – 2 rear:		
For use when custom deluxe belts are ordered (Color keyed to interior)		
Body insulation package ("Silent Sound Group") base on 1BN00	BS1	
Carpet, Station Wagon load floor (Color-Keyed)	B39	
Cap, locking gas filler		ACC
Clock, electric (Standard on Caprice Classic)	U35	ACC
Compass		ACC
Cover, luggage carrier – wagon		ACC
Dispenser, tissue tunnel mount		ACC
Dome reading lamp	C95	
Door edge guards	B93	ACC
Electric trunk release – except wagon	A90	
Floor mats color-keyed – 2 front, 2 rear	B37	ACC
Front and rear bumper guards	V30	ACC
Generator: 61-amp Delcotron	K76	
Glass, Soft-Ray tinted: all windows (Includes w/s radio antenna)	A01	
Glass, windshield - tinted (Fleet and Canadian – includes radio antenna)	A02	
Harness, trailer wiring		ACC
Heater, engine block (Canada)	K05	
Hitch, trailer		ACC
Hitch, trailer, equalizing type		ACC
Horns, dual – base on 1BN00	U05	ACC
Interior car warmer		ACC
Lamp, portable spot		ACC
Lighting, auxiliary:	ZJ9	
Courtesy lights – (Standard on 1BN00 models)		
Luggage compartment light – Std. Impala and Caprice Classic sedans and coupes		ACC
Ash tray light – (Standard on 1BN00 models)		
Underhood light		ACC
Rear dome lamp – wagons		
Headlamp reminder buzzer part of ZJ9 package		ACC
Dome reading lamp – (Standard on 1BN00 models)		
Electronic Dome Lamp		
Litter container (RH cowl kick panel)	D24	
Litter container and tissue dispenser		ACC
Litter container, underseat unit		ACC
Lock, rear door safety		ACC
Luggage compartment trim deluxe (Except wagon)	B48	
Mat, front floor full width – vinyl		ACC
Mat, load floor–wagon		ACC
Mirrors, fender, for trailering (RH & LH)		ACC
Mirror, rear view L.H. outside remote-control	D33	
Mirror, rear view R.H. outside remote-control (Requires D33)	DF3	
Mirror, RH (to match LH remote or standard unit – standard on Station Wagons)		ACC
Mirrors, Dual Sport – RH and LH remote control type (Painted body color)	D68	
Molding, adhesive backed vinyl (roll or cut to length)		ACC
Moldings, body side – vinyl insert	B84	
Molding, wheel opening (Standard on 1BN00 models)	B96	

EQUIPMENT	RPO	ACC.
Radiator, heavy duty	V01	
Radio equipment: Radios, pushbutton – includes concealed w/s antenna		
AM Radio	U63	ACC
AM/FM Radio	U69	ACC
AM/FM/Stereophonic Radio	U58	ACC
Citizens Band Radio – Six channel plus antenna		ACC
Stereo Tape System with AM Radio	UM1	ACC
Stereo Tape System with AM/FM/Stereophonic Radio	UM2	ACC
Mast antenna, RH front fender		ACC
Speaker, rear seat (Requires U63 or U69)	U80	ACC
Windshield antenna	U76	
Rear window defogger (Forced air) (All except wagons)	C50	ACC
Electroclear, Rear window defogger	C49	
Roof cover, vinyl (Padded vinyl) (All except wagons)	C09	
Roof luggage carrier – wagon	V55	ACC
Seat, infant safety		ACC
Seat, child safety		ACC
Seat, 50-50 front bench	AV7	
Shock absorbers, rear:		
Superlift	G66	
Speed control: (Cruise-Master)	K30	ACC
Steering wheel, comfortilt	N33	
Strips – impact – FR. and RR. bumper	VE5	
Suspension, heavy duty front and rear	F40	
Sport suspension (All except wagons)	F41	
Theft alarm audio		ACC
Custom two-tone paint (Includes stripe and door handle tape)	D99	
Two-Tone finish: includes bright metal outline moldings	D34	ACC
Visor vanity mirror, R.H. visor	P01	ACC
Wheel covers, full: (All except 1BN00 models)	PB2	
Wheel covers, deluxe (New ABS plastic)	CD4	
Wipers, windshield – pulse type		

FACTORY-INSTALLED REGULAR PRODUCTION TIRES

FR78 x 15B – Steel belted radial ply Whitewall (Exc. Station Wagons)	QBW
FR78 x 15B – Steel belted radial ply Blackwall (Exc. Station Wagons)	QBU
GR70 x 15B – Steel belted radial ply Whitewall (With F41 suspension only)	QCX
GR78 x 15B – Steel belted radial ply Whitewall (Exc. Station Wagons)	QDR
HR78 x 15B – Steel belted radial ply Blackwall (Station Wagon)	QDU
HR78 x 15B – Steel belted radial ply White Stripe (Station Wagon)	QEL
FR78 x 15B – Steel belted radial ply Blackwall (Exc. Station Wagons)	QKA
FR78 x 15B – Steel belted radial ply Whitewall (Exc. Station Wagons)	QKB
GR78 x 15B – Steel belted radial ply Whitewall (Exc. Station Wagons)	QMK
FR78 x 15B – Fiberglass belted radial ply Whitestripe (Exc. Station Wagons)	QKN

EXTRA COST EQUIPMENT

POWER TEAMS	RPO	ACC.
305 cu. in. V-8 (Sedans and Coupes) (Base on all wagons)	LG3	
350 cu. in. V-8 (Sedans, Coupes and Wagons)	LM1	
Automatic Transmission (All engines)	MX1	
Axle, positraction	G80	
Axle, high altitude ratio	G92	
POWER ASSISTS		
Door lock system, power	AU3	
Seat, power: 6-way front bench seat	A42	
Seat (LH) – Power: 6-way front bench seat 50-50	AG7	
Tailgate, power (Wagon)	AU6	
Windows, power	A31	
Trunk opener (Sedans and Coupes)	A90	

COMFORTRON AUTOMATIC TEMPERATURE CONTROL (RPO C61)

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

FOUR SEASON (RPO C60)

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

BASIC COMPONENTS

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

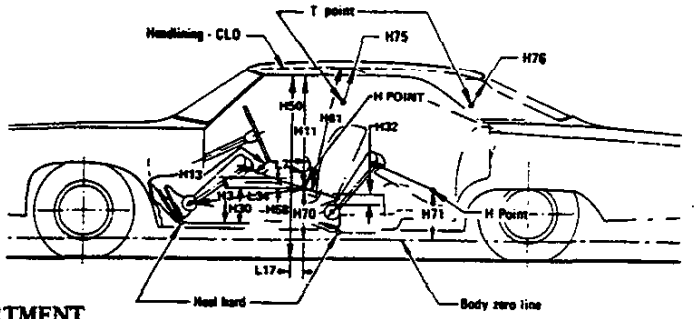
EQUIPMENT (Used in addition to or in place of basc equipment)

POWER TRAINS

Fan Blade	7 blade w/L6; 5 blade w/V8
Fan Clutch	Thermomodulated fluid coupling
Crankshaft Pulley	Single three groove pulley
Water Pump & Fan Pulley	Single
Compressor & Crankshaft Belt	One
Generator	61 Ampere
Radiator	Heavy duty

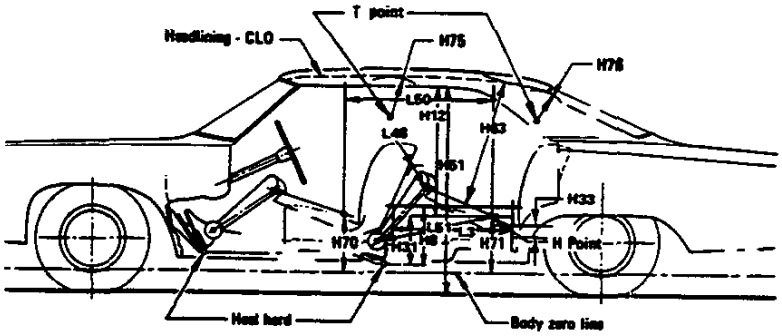
DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS



FRONT COMPARTMENT

CODE	DESCRIPTION	SEDANS		COUPES		STATION WAGONS	
		1BL69	1BN69	1BL47	1BN47	1BL35	1BN35
H-3	Seat cushion height	263 (10.4)					
H11	Entrance height	791 (31.1)		777 (30.6)		791 (31.1)	
H13	Steering wheel thigh clearance	108 (4.3)					
H30	H point to heel point	214 (8.4)					
H32	Seat cushion deflection	81 (3.2)					
H50	Upper body opening to ground	1285 (50.6)				1307 (51.5)	
H58	H point rise	23 (0.9)					
H61	Effective headroom	1002 (39.4)	996 (39.2)	985 (38.8)	979 (38.5)	1007 (39.6)	1001 (39.4)
H70	H point to body O line	196 (7.7)					
H75	Effective "T" point headroom	1007 (39.6)	1001 (39.4)	990 (39.0)	984 (38.7)	1012 (39.8)	1006 (39.6)
W3	Shoulder room	1544 (60.8)					
W5	Hip room	1398 (55.0)					
L7	Steering wheel torso clearance	342 (13.5)					
L17	H point travel	161 (6.3)					
L34	Effective leg room	1076 (42.4)					



REAR COMPARTMENT

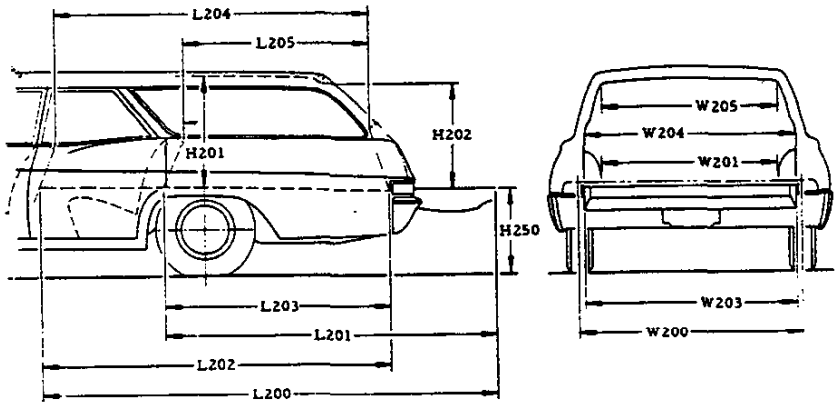
H8	Seat cushion height	363 (14.3)	342 (13.5)	359 (14.1)
H12	Entrance height	785 (30.9)	—	775 (30.5)
H31	H point to heel point	292 (11.5)	273 (10.7)	307 (12.1)
H33	Seat cushion deflection	102 (4.0)	113 (4.4)	105 (4.1)
H51	Upper body opening to ground	1300 (51.2)	—	1315 (51.8)
H63	Effective headroom	970 (38.2) | 964 (38.0)	966 (38.0) | 960 (37.8)	1000 (39.4) | 994 (39.1)
H71	H point to body O line	198 (7.8)	179 (7.0)	213 (8.4)
H76	Effective 'T' point headroom	967 (38.1) | 961 (37.8)	962 (37.9) | 956 (37.6)	1004 (39.5) | 998 (39.3)
W4	Shoulder room	1545 (60.8)	1494 (58.8)	1546 (60.9)
W6	Hip room	1405 (55.3)	1462 (57.6)	1398 (55.0)
L3	Rear compartment room	737 (29.0)		722 (28.4)
L50	H point couple distance	882 (34.7)	851 (33.5)	844 (33.2)
L51	Effective leg room	991 (39.0)	947 (37.3)	958 (37.7)

LUGGAGE COMPARTMENT

H195	Liftover height	796 (31.3 in.)		— —
V1	Usable luggage capacity (cu.ft.)	572 (20.2 ft.^{3})	560 (19.8 ft.^{3})	— —

* Primary Dimensions are millimetres unless otherwise shown.

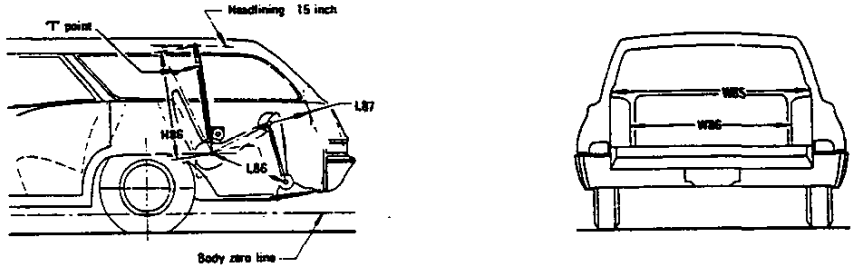
INTERIOR DIMENSIONS



STATION WAGON CARGO SPACE

CODE	DESCRIPTION	1BL35	1BN35
H201	Maximum cargo height	763 (30.0 in.)	757 (29.8 in.)
H202	Rear opening height	729 (28.7 in.)	
H250	Tailgate to ground height	741 (29.2 in.)	
W200	Cargo width-front	1548 (60.9 in.)	
W201	Cargo width-wheelhouse	1224 (48.2 in.)	
W203	Rear opening width at floor	1238 (48.7 in.)	
W204	Rear opening width at belt	1224 (48.2 in.)	
W205	Rear opening width above belt	988 (38.9 in.)	
L200	Maximum cargo length-front seat	2790 (109.8 in.)	
L201	Maximum cargo length-second seat	1907 (75.1 in.)	
L202	Cargo length at floor-front seat	2290 (90.2 in.)	
L203	Cargo length at floor-second seat	1407 (55.4 in.)	
L204	Cargo length at belt-front seat	2128 (83.8 in.)	
L205	Cargo length at belt-second seat	1222 (48.1 in.)	
V2	Total cargo index volume (cu.ft.)	2510 (88.6 cu.ft.)	2490 (87.9 cu.ft.)

Volume underfloor storage compartment — 2-Seat Wagons 226.71 (8.0 Cu.Ft.)
3-Seat Wagons 127.53 (4.5 Cu.Ft.)

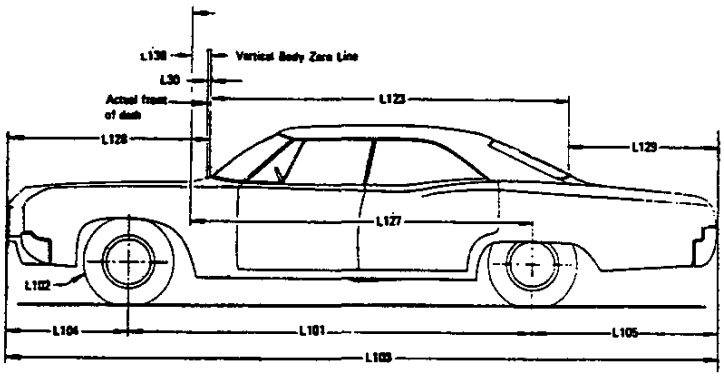


STATION WAGON THIRD SEAT

W85	Shoulder room	1240 (48.8 in.)	
W86	Hip room	1109 (43.7 in.)	
H86	Effective headroom	952 (37.5 in.)	946 (37.2 in.)
L86	Effective leg room	782 (30.8 in.)	
L87	Knee room	317 (12.5 in.)	

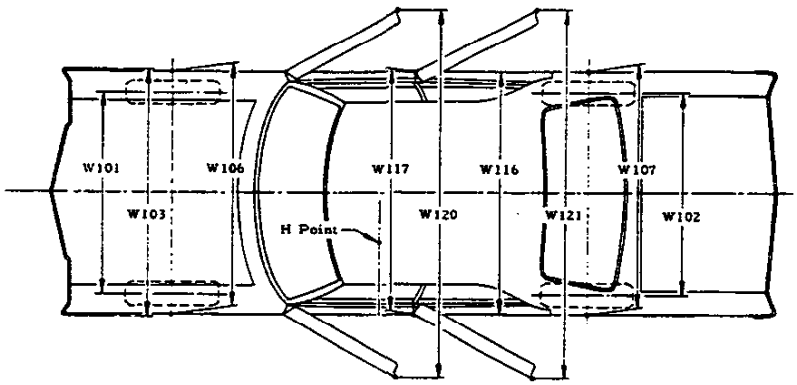
* Primary Dimensions are millimetres unless otherwise shown.

EXTERIOR DIMENSIONS



LENGTHS

CODE	DESCRIPTION	SEDANS	COUPES	STATION WAGONS
L101	Wheelbase	2945 (116 in.)		
L102	Tire size (standard)	FR78-15B		HR78-15B
L103	Overall length	5385 (212.1 in.)		5454 (214.7 in.)
L104	Overhang, front	1016 (40.0 in.)		
L105	Overhang, rear	1424 (56.1 in.)		1493 (58.8 in.)
–	Overall length - less bumpers	5162 (203.2 in.)		5213 (205.2 in.)
L123	Body upper structure length at car center line	2530 (99.6 in.)	2652 (104.4 in.)	3506 (138.0 in.)
L127	Body O line to C/L of rear wheels	2475 (97.5 in.)		
L126	Front end length at center line	1BN00 Models 1627 (64.0 in.), 1BL00 Models 1623 (63.9 in.)		
L129	Rear end length at center line	1021 (40.2 in.)	898 (35.3 in.)	100 (3.9 in.)
L125	Body zero plane to windshield cowl point	235 (9.2 in.)	236 (9.3 in.)	235 (9.2 in.)
L30	Body O line to actual front of dash	- 34 (- 1.3 in.)		

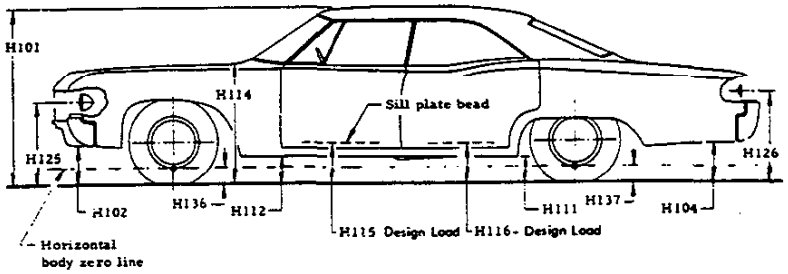


WIDTHS

W101	Tread - front	1568 (61.8 in.)		1578 (62.2 in.)
W102	Tread - rear	1542 (60.8 in.)		1628 (64.1 in.)
W103	Maximum overall width of car	1930 (76.0 in.)		2010 (79.1 in.)
W106	Front fender overall width	1930 (76.0 in.)		2010 (79.1 in.)
W107	Rear fender overall width	1930 (76.0 in.)		2010 (79.1 in.)
W116	Maximum overall width of body	1930 (76.0 in.)		2010 (79.1 in.)
W117	Maximum body width at number 2 pillar	1916 (75.4 in.)		1916 (75.4 in.)
W120	Overall car width, front doors open	3442 (135.5 in.)	4101 (161.5 in.)	3442 (135.5 in.)
W121	Overall car width, rear doors open	2917 (114.9 in.)	—	2915 (114.8 in.)

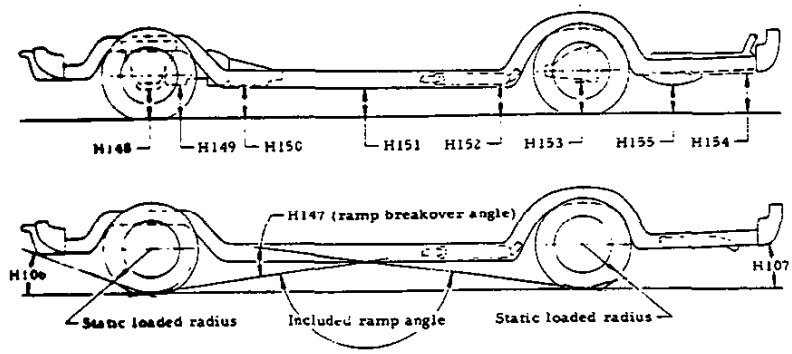
*Primary Dimensions are millimetres unless otherwise shown.

EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	SEDANS	COUPES	STATION WAGONS
H101	Overall height (design)	1422 (56.0 in.)	1406 (55.3 in.)	1473 (58.0 in.)
H102	Front bumper to ground	282 (11.1 in.)		
H104	Rear bumper to ground	333 (13.1 in.)		294 (11.6 in.)
H111	Rocker panel to ground - rear	229 (9.0 in.)		240 (9.4 in.)
H112	Rocker panel to ground - front	229 (9.0 in.)		234 (9.2 in.)
H114	Hood at rear to ground	996 (39.2 in.)		1002 (39.4 in.)
H115	Step height - front (design)	367 (14.4 in.)	357 (14.1 in.)	365 (14.4 in.)
H116	Step height - rear (design)	368 (14.5 in.)	359 (14.1 in.)	368 (14.5 in.)
H125	Headlamp to ground	687 (27.0 in.)		689 (27.1 in.)
H126	Tail lamp to ground	685 (27.0 in.)		702 (27.2 in.)
H136	Body O line to ground - front	- 198		- 195
H137	Body O line to ground - rear	- 181		- 169



CLEARANCES

H106	Angle of approach (degrees)	16.97		16.79
H107	Angle of departure (degrees)	15.17		12.24
H147	Ramp breakover angle (degrees)	15.31		15.09
H148	Front suspension to ground	147 (5.8 in.)		150 (5.9 in.)
H149	Oil pan to ground	173 (6.8 in.)		172 (6.7 in.)
H150	Flywheel housing to ground	181 (7.1 in.)		171 (6.6 in.)
H151	Frame to ground	179 (7.0 in.)		187 (7.4 in.)
H152	Exhaust system to ground	175 (6.9 in.)		187 (7.4 in.)
H153	Rear axle to ground	178 (7.0 in.)	177 (7.0 in.)	191 (7.5 in.)
H154	Fuel tank to ground	249 (9.8 in.)		204 (8.0 in.)
H155	Tire well to ground	--		
H156	Minimum ground clearance	147 (5.8 in.) (a)		150 (5.9 in.) (a)

(a) Front suspension to ground.

*Primary Dimensions are millimetres unless otherwise shown.

VEHICLE WEIGHTS

MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1BL47	250 Cu.In. L6 (L22)	2-Door Sport Coupe	900 kg (1984-lb.)	682 kg (1504-lb.)	1582 kg (3488-lb.)	891 kg (1964-lb.)	741 kg (1634-lb.)	1632 kg (3598-lb.)
1BL69	250 Cu.In. L6 (L22)	4-Door Sedan	906 kg (1997-lb.)	686 kg (1513-lb.)	1592 kg (3510-lb.)	897 kg (1978-lb.)	745 kg (1642-lb.)	1642 kg (3620-lb.)
1BL35	305 Cu.In. V8 (LG3)	4-Door Station Wgn.	928 kg (2046-lb.)	895 kg (1973-lb.)	1823 kg (4019-lb.)	915 kg (2017-lb.)	960 kg (2116-lb.)	1875 kg (4133-lb.)
1BN47	250 Cu.In. L6 (L22)	2-Door Sport Coupe	910 kg (2006-lb.)	692 kg (1526-lb.)	1602 kg (3532-lb.)	901 kg (1986-lb.)	751 kg (1656-lb.)	1652 kg (3642-lb.)
1BN69	250 Cu.In. L6 (L22)	4-Door Sedan	921 kg (2030-lb.)	696 kg (1535-lb.)	1617 kg (3565-lb.)	912 kg (2011-lb.)	755 kg (1664-lb.)	1667 kg (3675-lb.)
1BN35	305 Cu.In. V8 (LG3)	4-Door Station Wgn.	936 kg (2063-lb.)	308 kg (2002-lb.)	1844 kg (4065-lb.)	923 kg (2035-lb.)	973 kg (2145-lb.)	1896 kg (4180-lb.)

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.

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT METRIC (kg) – ENGLISH
AU3	Electric Door Locks	2-Door Models	1.8 (4 lb.)
		4-Door Models	3.2 (7 lb.)
A31	Power Windows	2-Door Models 1BL, 1BN47	3.7 (8 lb.)
		4-Door Models 1BL, 1BN35, 69	8.6 (19 lb.)
A42	Power Seat		8.6 (19 lb.)
B37	Front and Rear Floor Mats		3.2 (7 lb.)
C09	Vinyl Roof Cover (Padded Vinyl)	All except Station Wagons	2.3 (5 lb.)
C60	Air Conditioning 4-Season	With L6 Engine	30.4 (67 lb.)
		With V8 Engine	38.1 (84 lb.)
C61	Air Conditioning Comfortron	With L6 Engine	31.8 (70 lb.)
		With V8 Engine	39.5 (87 lb.)
F41	Suspension, Heavy Duty, Front and Rear		14.1 (31 lb.)
PA2	Wheel Trim Covers	1BL00 Models	3.2 (7 lb.)
UA1	Heavy Duty Battery	With L6 Engine	6.8 (15 lb.)
		With V8 Engine	4.5 (10 lb.)
U63	Radio AM Pushbutton		3.2 (7 lb.)
U69	Radio AM/FM Pushbutton		5.0 (11 lb.)
U58	Radio AM/FM Stereo		6.3 (14 lb.)
UM1	Radio AM Pushbutton and Tape		6.8 (15 lb.)
UM2	Radio AM/FM Pushbutton and Tape		7.2 (16 lb.)
VE5	Bumper Impact Strip, PVS front and rear		1.4 (3 lb.)
V30	Bumper Guards Front and Rear		4.1 (9 lb.)
V55	Roof Luggage Carrier	Station Wagons	9.5 (21 lb.)
LG3	305 Cu.In. V8 Engine	Sedans & Coupes	49.0 (108 lb.)
LM1	350 Cu.In. V8 Engine	Sedans & Coupes	53.0 (117 lb.)
		Station Wagons	4.1 (9 lb.)

* Primary Dimensions are kilograms.

BODY

EXTERIOR PAINT PROCESS

1. RUSTPROOFING. Assembled car bodies are chemically sprayed to clean and etch the metal surfaces for corrosion resistance and paint adhesion. Unassembled sheet metal parts follow the same process.

2. BODY AND SHEET METAL PRIMERS. Four corrosion resistant primers, specially formulated, are hand sprayed on the body in areas where rust might develop. Lower areas considered especially vulnerable are coated with another rust inhibiting compound.

3. PRIMER COAT is applied to all outside and inside surfaces of front fenders and hoods. The parts are mechanically dipped or flow-coated to insure coating in all seams and secluded areas, and baked at 390 degrees F. for 30 minutes. A coat of sealer is then applied by hand spray to all surfaces requiring another coat of lacquer.

4. FLASH PRIMER AND PRIMER-SURFACER COATS. An air-dry flash primer coat is hand sprayed on surfaces below the body belt line. Then a gray primer-surfacer coat is hand sprayed on all outside surfaces of the body and oven baked for 45 minutes at 285 degrees F.

5. INITIAL SANDING. Power wet sanding, followed by hand sanding is done on all body surfaces requiring lacquering. This insures a smooth surface for the lacquer finish. To remove the water, the body is wiped and run through an infra-red oven.

6. LACQUERING. Three coats of acrylic lacquer are spread on the exterior surfaces of the body and sheet metal parts to build up a finish of the required thickness for each color.

7. INITIAL BAKING. To harden the paint for final sanding, the body and sheet metal parts are baked for approximately 10 minutes at 200 degrees F.

8. FINAL SANDING. To remove body surface defects, power and hand sanding is done with fine grit sandpaper and mineral spirits as a wetting agent. Sanded areas are wiped to insure a clean surface before final baking.

9. FINAL BAKING. To assure a durable, hard, high luster finish the lacquer is baked for 30 minutes at 275 degrees F. Reheating the lacquer after final sanding permits paint film to soften, allowing surface blemishes and sanding scratches to disappear during the thermo-reflow process.

10. UNDERCOATING. To block out road noise, an asbestos fiber sound deadener with asphalt base is sprayed inside the wheel housings and on the bottom of the underbody at designated areas.

11. PAINT REPAIR AND PROTECTION. Mars, nicks, or scratches that occur during final assembly are corrected at the factory before shipment. When required, light "slush" polishing brings painted surfaces to a high luster finish. Wax is applied to all horizontal surfaces of each vehicle and polished out for protection during shipment. The wax contains no silicones, thus eliminating any paint contamination problem.

EXTERIOR COLOR – VINYL ROOF COMBINATIONS

VINYL TOP COVER	EXTERIOR COLOR AVAILABILITY	
Silver	Silver	15
	Black	19
	Carmine (Met.)	77
Black	All Available Colors, except 69	
White	All Available Colors	
Light Blue Metallic	White	11
	Black	19
	Light Blue	21
	Light Blue (Met.)	22
	Dark Blue (Met.)	29
Light Camel	White	11
	Black	19
	Light Camel	61
	Camel (Met.)	63
	Saffron (Met.)	67
	Dark Camel (Met.)	69
Dark Carmine (Met.)	Carmine (Met.)	77
	Dark Carmine (Met.)	79
Light Green (Met.)	White	11
	Black	19
	Light Green (Met.)	44
	Medium Green (Met.)	45

1978 CHEVROLET 'B' INTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM														
		Black		Light Blue		Dark Green		Camel Tan		Carmine		White				
		(19X) Vinyl	(19X) Cloth	(24X) Vinyl	(24X) Cloth	(44X) Vinyl	(44X) Cloth	(62X) Vinyl	(62X) Cloth	(74X) Cloth	(74X) Vinyl	(19X) Vinyl /Black	(24X) Vinyl /Blue	(67X) Vinyl /Saffron	(74X) Vinyl /Carmine	(44X) Vinyl /Green
Impala – 1BL00																
Sedan (69)	(A52) Bench	19N		24N	24B		44B	62N	62B	74B	74N					
Sedan (69)	(AT8) 50-50			24N	24B			62N	62B	74B						
Custom Coupe (47) *	(A52) Bench	19N		24N	24B		44B	62N	62B	74B	74N	11N	11N	11N	11N	11N
Custom Coupe (47) *	(AT8) 50-50			24N	24B			62N	62B	74B						
Station Wagon (35)	(A52) Bench			24N				62N	62C	74C	74N					
Station Wagon (35)	(AT8) 50-50			24N				62N								
Caprice Classic – 1BN00																
Sedan (69)	(A52) Bench		19D	24V	24D		44D	62V	62D	74D	74V					
Sedan (69)	(AT8) 50-50		19D	24V	24D			62V	62D	74D						
Sport Coupe (47) *	(A52) Bench		19D	24V	24D		44D	62V	62D	74D	74V	11V	11V	11V	11V	11V
Sport Coupe (47) *	(AT8) 50-50		19D	24V	24D			62V	62D	74D		11V	11V	11V	11V	11V
Station Wagon (35)	(A52) Bench			24V	24G	44V		62V	62G		74V					
Station Wagon (35)	(AT8) 50-50			24V				62V	62G							
Caprice Luxury Interior – 1BN00																
Sedan (69)	(AT8) 50-50				24F		44F		62F	74F						
Coupe (47) *	(AT8) 50-50				24F		44F		62F	74F						

CLOTH & VINYL USAGE

N–Wallaby vinyl
B–Windsor, 712 WC, knit cloth
C–Bordeau, 807 WC, woven sport cloth
V–Wallaby vinyl
F–Lombardy, 347 WC, velour cloth; Lombardy bolster
G–Edinburgh, 739 WC, woven sport cloth; Dover bolster
D–Dover, 605 WC, knit cloth

* The 1BL47, 1BN47 require a Big Four Option Number in addition to the trim combination number. The Big Four Module consists of the instrument panel, carpet, cowl kick panel, and package shelf. Module numbers are shown in parenthesis at the top of each column. Examples: Black–19N + 19X, White with Saffron Big Four–11V + 67X.

1978 CHEVROLET (1BA00)

REGULAR TWO-TONE COLOR COMBINATIONS (RPO D99)

REGULAR TWO-TONE EXTERIOR COLORS				FISHER COLOR CUT-OFF MOLDINGS* 1BL-1BN47 & 69
LOWER		UPPER		
Lt. Blue Met.	22L	White	11U	White
Dk. Blue Met.	29L	Lt. Blue Met.	22U	Lt. Blue Met.
Med. Green Met.	44L	White	11U	White
Dk. Green Met.	45L	Med. Green Met.	44U	Med. Green Met.
Camel Tan Met.	63L	White	11U	White
Dk. Camel Met.	69L	Camel Beige	61U	Camel Beige
Carmine Met.	77L	White	11U	White

* 1BL-1BN35 Color Cut-Off Moldings are Bright.

CUSTOM TWO-TONE COLOR COMBINATION (RPO D84)**

CUSTOM TWO-TONE EXTERIOR COLORS		BODY SIDE STRIPE COLOR		RPO B84 BODY SIDE MOLDING		RPO VINYL TOP COLORS	
BODY	ACCENT	(INCLUDED)		(IF ORDERED)		(IF ORDERED)	
Silver Met. 15 WA 7022	Gray Met. 16 WA 7054	Red	WMH 4330	19Q Black	WPV 848	Silver Met.	15T
Light Blue Met. 22 WA 4964	Dk. Blue Met. 29 WA 4965	Pastel Blue	WMH 7023	22Q Light Blue Met.	WPV 4964	Lt. Blue Met.	22T
Med. Green Met. 44 WA 7024	Dk. Green Met. 45 WA 8006	Green	WMH 4922	44Q Med. Green Met.	WPV 7024	Med. Green Met.	44T
Camel Beige 61 WA 7025	Gold Met. 56 WA 7083	Buckskin	WMH 4718	61Q Camel Beige	WPV 7025	Camel Beige	61T
Dk. Carmine Met. 79 WA 7072	Carmine Met. 77 WA7029	Red	WMH 4330	79Q Dk. Carmine Met.	WPV 7072	Dk. Carmine Met.	79T

** These are the only combinations available -- NO COLOR OVERRIDES ARE ALLOWED!

1978 CHEVROLET (1BA00)

BODY SIDE ACCENT STRIPE (RPO D85)
BODY SIDE MOLDING EQUIPMENT (RPO B84)
BODY SIDE MOLDING EQUIPMENT (RPO B84)

RPO D85 – BODY SIDE ACCENT STRIPE*

STRIPE IDENTIFICATION (DECAL)		
11A	White	WMH 3967
13A	Silver	WMH 4575
19A	Black	WMH 848
27A	Blue	WMH 4673
49A	Green	WMH 4922
54A	Gold	WMH 4831
75A	Red	WMH 4330
95A	Buckskin	WMH 4718

RPO B84 – BODY SIDE MOLDING EQUIPMENT*

MOLDING IDENTIFICATION		
19Q	Black	WPV 848
22Q	Lt. Blue Met.	WPV 4964
44Q	Med. Green Met.	WPV 7024
61Q	Camel Beige	WPV 7025
79Q	Dk. Carmine Met.	WPV 7072
99Q**		

**When RPO Wood Grain is specified on 1BN35, the molding matches NMH-557, "Medium Charter Oak".

NOTE: *For color combination applications, see Dealer Order Guide.

BODY CONSTRUCTION AND GLASS AREA

GENERAL

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

DOORS AND LOCKS

Door construction . . . . . Double steel panels, with side guard beam. Doors hinged at front.

Door handles . . . . . Pull-type exterior. Free-wheeling inside door handles on all doors.

Front door glass . . . . . Full ventless windows on all models.

HOOD AND TRUNK LID

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

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

VENTILATION

High level air intake for passenger compartment . . . . . with double wall plenum chamber. Astro Ventilation with instrument panel outlets standard on all.

Flow through ventilation . . . . . Air enters cowl plenum thru concealed cowl high air intake and passes into the passenger compartment thru two upper level vents in the instrument panel and a lower vent below the panel. To assure constant flow, the heater blower moves air thru the lower vent whenever the ignition is on and the engine coolant is 95°F or higher. To exit, air passes under the rear seat cushion into the trunk, and rear quarters to baffle type outlets on door lock pillars.

SEAT CONSTRUCTION

Type

All seat cushions and backrests . . Formed polyfoam

WINDSHIELD WIPERS AND WASHERS

Type . . . . . Concealed dual 2-speed electric with 18" blades.

Linkage . . . . . Parallel action with articulated left arm.

HEADLIGHTS . . . . . Dual, rectangular lamps all models.

SPARE TIRE AND TOOLS

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

STATION WAGON REAR WINDOW & TAILGATE

Operation . . . . . Three way tailgate design with exterior handle. Power tailgate glass standard. Can be used as a door with glass up. When used as a gate, glass must first be lowered.

Stowage compartment . . . . . A new lockable stowage compartment, located in the rearmost part of the left quarter panel, is base equipment for all station wagon models. This is made possible by the relocation of the fuel tank to a position underneath the underbody.

BODY GLASS VISIBILITY AREA

	MODELS		
	69	47	35
Windshield	8619 (1335.9 in.^{2})		
Front Door Window	5705 (884.3 in.^{2})	8759 (1357.6 in.^{2})	5705 (884.3 in.^{2})
Rear Door Window	6293 (975.4 in.^{2})	—	5535 (875.9 in.^{2})
Rear Quarter Window	—	2126 (329.5 in.^{2})	8712 (1350.4 in.^{2})
Rear Window	7525 (1166.4 in.^{2})	7564 (1172.4 in.^{2})	4661 (722.5 in.^{2})
Total Area (Sq. In.)	28142 (4362.0 in.^{2})	27068 (4195.4 in.^{2})	33232 (5151.0 in.^{2})

All window glass curved safety solid plate except curved laminated safety windshield.

* Primary dimensions are square centimetres.

CHASSIS

FRAME AND FRONT SUSPENSION

FRAME

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

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

Body Mounting . . . . . 8 each side of frame - 14 double cushion and 2 single cushion.

FRONT SUSPENSION

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

Wheel travel (design)

Total . . . . . 198.1 mm (7.80 in.)

Jounce . . . . . 90.4 mm (3.56 in.)

Rebound . . . . . 107.7 mm (4.24 in.)

Wheel to spring, travel ratio 2.06:1

CONTROL ARMS

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

STEERING KNUCKLES

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

Spindle diameters

Inner bearing . . . . . 31.7 mm (1.25 in.)

Outer bearing . . . . . 190 mm (0.75 in.)

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

Wheel bearing

Type . . . . . Taper roller

Number . . . . . Two per spindle

SPHERICAL JOINTS

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

Bearing surfaces

Upper . . . . . Two bearings; upper surface teflon coated phenolic; lower surface teflon cotton composition

Lower . . . . . One bearing; steel

SHOCK ABSORBERS

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

Piston diameter . . . . . 27.0 mm (1.06 in.)

STABILIZER BAR

Type . . . . . Link

Material . . . . . HR steel

Diameter . . . . . 27 mm (1.06 in.)

FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees) . . . . . +0.8 ± 0.8

Caster (degrees) . . . . . 3.0 ± 1.0

Toe-in (total) . . . . . 0.12 ± 0.12

Steering axis inclination (degrees) . 9.785 @ 1° camber

GENERAL SUSPENSION PROVISIONS

Car leveling . . . . . Front stabilizer bar

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

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

FRONT SPRINGS

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

FRONT SPRINGS SPECIFICATIONS

Part No.	Assy. Code	Cut-Off Length		Wire Dia.		Total Coils	Deflection Rate		Free		Working	
		mm	in.	mm	in.		N/mm	lbs./in.	mm	in.	mm @ N	in. @ lbs.
370962	ASS	3649.4	143.7	16.8	0.66	9.76	52.5	300	479.6	18.88	300 @ 12512	11.0 @ 2813
370976	ARH	3070.9	120.9	15.8	0.62	8.1	52.5	300	444.2	17.49	300 @ 10649	11.0 @ 2394
370977	ARJ	3306.1	130.2	16.2	0.64	8.7	52.5	300	449.1	17.68	300 @ 10911	11.0 @ 2453
370978	ARK	3306.9	130.2	16.2	0.64	8.7	52.5	300	454.3	17.89	300 @ 11182	11.0 @ 2514
370979	ARM	3431.0	135.1	16.4	0.65	9.01	52.5	300	459.4	18.09	300 @ 11449	11.0 @ 2574
370980	ARN	3431.8	135.1	16.4	0.65	9.01	52.5	300	464.3	18.28	300 @ 11712	11.0 @ 2633
370981	ARR	3560.0	140.1	16.6	0.65	9.34	52.5	300	469.5	18.49	300 @ 11978	11.0 @ 2693
370982	ARS	3560.8	140.1	16.6	0.65	9.34	52.5	300	474.6	18.69	300 @ 12250	11.0 @ 2754
370994	ASH	3142.2	123.7	16.8	0.66	8.23	64	365	431.4	16.98	300 @ 12165	11.0 @ 2735
370995	ASJ	3143.0	123.7	16.8	0.66	8.23	64	365	436.5	17.18	300 @ 12494	11.0 @ 2809
370996	ASK	3369.8	132.7	17.2	0.68	8.8	64	365	441.8	17.39	300 @ 12837	11.0 @ 2886
378501	APA	2735.4	107.7	16.8	0.66	7.15	77	440	402.6	15.85	300 @ 12328	11.0 @ 2794
378502	APB	2920.6	115.0	17.2	0.68	7.62	77	440	407.8	16.05	300 @ 12828	11.0 @ 2884
378503	APC	2921.4	115.0	17.2	0.68	7.62	77	440	412.9	16.25	300 @ 13219	11.0 @ 2972
378504	APD	3119.6	122.8	17.6	0.69	8.12	77	440	418.0	16.46	300 @ 13611	11.0 @ 3060
378505	APF	3120.4	122.8	17.6	0.69	8.12	77	440	423.0	16.65	300 @ 13998	11.0 @ 3147
378506	APH	3329.6	131.1	18.0	0.71	8.64	77	440	428.1	16.85	300 @ 14389	11.0 @ 32.35
378538	APK	3042.6	119.8	16.6	0.65	7.98	64	365	421.1	16.58	300 @ 11489	11.0 @ 2583
378539	APM	3043.5	119.8	16.6	0.65	7.98	64	365	426.2	16.78	300 @ 11818	11.0 @ 2657
378542	APS	2734.6	107.7	16.8	0.66	7.15	77	440	397.7	15.66	300 @ 12050	11.0 @ 2709

STEERING, DRIVELINE, WHEELS AND TIRES

STEERING

- Wheel
  - Type . . . . . Round with center shroud
  - Diameter . . . . . 387.3 mm (15.25 in.)
  - Optional . . . . . Tilt steering shaft universally jointed at base of steering wheel; 6 positions; 5 inch vertical travel range.
- Column . . . . . Energy absorbing mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions.
- Gear-Power (Standard)
  - Type . . . . . Integral, recirculating ball nut, with hydraulic pressure provided from a vane type pump.
  - Ratios, Gear
    - Sedans and Coupes 14.0:1
    - Station Wagons . . . . . 16.0:1 on center
  - Ratios, Overall
    - Sedans and Coupes 16.45:1
    - Station Wagons . . . . . 18.8:1 on center
- Number of Turns, Lock to Lock
  - Sedans and Coupes 3.16
  - Station Wagons 3.30
- Linkage . . . . . Parallelogram, front of wheels, 2 tie rods
- Turning Diameter - Outside Front - m (ft.)
  - Wall to Wall
    - Sedans and Coupes 13.58 (44.55)
    - Station Wagons 13.75 (45.11)
  - Curb to Curb
    - Sedans and Coupes 11.83 (38.81)
    - Station Wagons 12.08 (39.63)
  - Outside wheel angle with inside wheel @ 20°
    - Sedans and Coupes . . . . . 19.60°
    - Station Wagons . . . . . 19.286°

DRIVELINE

- Type . . . . . Straight tube
- Number Used . . . . . One
- Diameter (OD) . . . . . 76.2 mm (3.0 in.)
- Length - mm (in.)
  - Sedans and Coupes
    - 7.50" Ring Gear 1489 (58.63)
    - 8.50 "Ring Gear 1464 (57.65)
  - Station Wagons 1464.3 (57.65)
- Wall Thickness . . . . . 1.65 mm (0.065 in.)
- Universal Joints . . . . . Single Cardan
  - Number Used . . . . . Two
  - Bearings . . . . . Prepack anti-friction

WHEELS

- Type . . . . . Steel, short spoke disc
- Size - Sedans & Coupes
  - Millimetres . . . . . 381 x 152.4
  - Inches . . . . . 15 x 6.0
- Station Wagons
  - Millimetres . . . . . 381 x 177.8
  - Inches . . . . . 15 x 7.0
- Offset - mm (in.)
  - Sedans and Coupes 12.7 (0.50)
  - Station Wagons 7.62 (0.30)
- Attachment to Hub
  - Type . . . . . 5 hex nuts
  - Thread size . . . . . 1/2-20 UNF 2B
  - Bolt Circle Diameter - mm (in.)
    - Sedans and Coupes 120.65 (4.75)
    - Station Wagons 127.0 (5.0)

TIRES, STANDARD EQUIPMENT

- Sedans and Coupes
  - Type - 4.1 Litre L6 . . . . . Glass belted radial
    - 5.0 and 5.7 Litre V8 . . . Steel belted radial
  - Size FR78-15B
  - Sidewall
    - Base . . . . . Blackwall
    - Optional . . . . . White stripe
  - Static Loaded Radius
    - Millimetres 304.0
    - Inches 11.97
  - Loaded rev/km @ 72 kmh 484
  - Loaded rev/mi @ 45 mph 779
  - Capacity @ 165.48 kPa 580
  - Capacity @ 24 PSI 1280
- Station Wagons
  - Type . . . . . Steel belted radial
  - Size HR78-15B
  - Sidewall
    - Base . . . . . Blackwall
    - Optional . . . . . White stripe
  - Static Loaded Radius
    - Millimetres 315.0
    - Inches 12.42
  - Loaded rev/km @ 72 kmh 462
  - Loaded rev/mi @ 45 mph 744
  - Capacity @ 165.48 kPa 685
  - Capacity @ 24 PSI 1510

TIRES OPTIONAL EQUIPMENT

- Sedans & Coupes – L6 Engine
  - Size FR78-15B
  - Type . . . . . Steel belted radial
  - Sidewall
    - Base . . . . . Blackwall
    - Optional . . . . . White stripe
- Sedans & Coupes – L6 & V8 Engines
  - Size GR78-15B
  - Type . . . . . Steel belted radial
  - Sidewall
    - Base . . . . . Blackwall
    - Optional . . . . . White stripe
  - Size GR70-15B
  - Sidewall . . . . . White stripe

SPARE TIRE

- Type . . . . . Same as ground tires

REAR AXLE

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

Drive pinion to ring gear offset - mm (in.)

7.50" Ring Gear 38.1 (1.50)

8.50 & 8.75" Ring Gear 44.5 (1.75)

Hypoid gear PD (See Power Train Section, page 2, for application)

2.41 . . . . . 190.5 mm (7.50 in.)

2.41, 2.56, 2.73, 3.08 . . . . . 215.9 mm (8.50 in.)

2.56, 3.08 . . . . . 222.2 mm (8.75 in.)

Pinion bearing adjustment . . . . . Shim

Lubricant

Type . . . . . GL-5 Gear Lubricant

Viscosity 80W-90

Capacity – litres (pints)

7.50 Hypoid gear P.D. 1.5 (3.25)

8.50 & 8.75 Hypoid Gear P.D. 1.9 (4.0)

AXLE SHAFT

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

Wheel bearings . . . . . Single row *cylindrical roller, one per wheel*

Oil seal . . . . . Steel encased, spring loaded synthetic rubber

RING AND PINION GEAR TOOTH COMBINATIONS

7.50 Ring gear diameter

2.41 41,17

8.50 Ring gear diameter

2.41 41,17

2.56 41,16

2.73 41,15

3.08 40,13

RING AND PINION GEAR TOOTH COMBINATIONS

8.75 Ring gear diameter

2.56 . . . . . 41.16

3.08 40,13

POSITRACTION DIFFERENTIAL (See Power Trains)

Type . . . . . Two pinion with multiple disc clutch

REAR SUSPENSION, REGULAR PRODUCTION

Description . . . . . Four-link type. Two upper control arms bias mounted and two lower control arms parallel mounted.

Wheel Travel (design)

Total

Sedans and Coupes . . . . . 239.0 mm (9.41 in.)

Station Wagons . . . . . 213.1 mm (8.39 in.)

Jounce

Sedans and Coupes . . . . . 122.7 mm (4.83 in.)

Station Wagons . . . . . 101.1 mm (3.98 in.)

Rebound

Sedans and Coupes . . . . . 116.3 mm (4.58 in.)

Station Wagons . . . . . 112.0 mm (4.41 in.)

Wheel to spring travel ratio 1.01:1

SHOCK ABSORBERS

Type . . . . . Direct double acting, hydraulic

Piston diameter . . . . . 27.0 mm (1.06 in.)

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 No.	Assy. Code	Cut-Off Length		Wire Dia.		Total	Deflection Rate		HEIGHTS			
									Free		Working	
		mm	in.	mm	in.	Coils	N/mm	lbs./in.	mm	in.	mm @ N	in. @ lbs.
482056	NDA	3193	125.7	13.72	.543	7.36	17.5	100	482.6	19.00	254 @ 5907	10.0 @ 1328
482057	NDB	3348	131.8	13.99	.551	7.68	17.5	100	495.3	19.50	254 @ 6129	10.0 @ 1378
482058	NDC	3490	137.4	14.17	.558	7.96	17.5	100	508.0	20.00	254 @ 6352	10.0 @ 1428
482085	YG	2995	117.9	15.16	.597	6.91	27.1	155	409.7	16.13	254 @ 7175	10.0 @ 1613
482086	YH	2995	117.9	15.16	.597	6.91	27.1	155	417.8	16.45	254 @ 7397	10.0 @ 1663
482087	YJ	3193	125.7	15.47	.609	7.30	27.1	155	425.9	16.77	254 @ 7619	10.0 @ 1713
485696	NDY	2601	102.4	16.51	.650	5.74	36.8	210	363.0	14.29	254 @ 9118	10.0 @ 2050
485697	NDW	2677	105.4	16.66	.656	5.87	36.8	210	368.8	14.52	254 @ 9341	10.0 @ 2100
485698	NDX	2753	108.4	16.81	.662	6.01	36.8	210	374.9	14.76	254 @ 9563	10.0 @ 2150
485714	WS	3106	122.3	13.84	.545	7.19	17.5	100	457.2	18.00	254 @ 5729	10.0 @ 1288
485715	WT	3183	125.3	13.94	.549	7.34	17.5	100	469.9	18.50	254 @ 5951	10.0 @ 1338
485748	XY	2807	110.5	15.04	.592	6.53	27.1	155	401.6	15.81	254 @ 7366	10.0 @ 1656
527777	NDN	2692	106.0	15.67	.617	5.93	28.9	165	398.0	15.67	254 @ 7610	10.0 @ 1711
527778	NDP	2817	110.9	15.87	.625	6.16	28.9	165	407.9	16.06	254 @ 7900	10.0 @ 1776
527779	NDR	2931	115.4	16.10	.634	6.36	28.9	165	417.8	16.45	254 @ 8189	10.0 @ 1841
547295	NFB	2586	101.8	15.47	.609	5.74	28.9	165	387.8	15.27	254 @ 7321	10.0 @ 1646

				Sedans and Coupes	Station Wagons
General	Type			Power assisted disc front and drum rear	
	System			Dual circuit hydraulic system with warning light and self-adjusting features; metering and proportioning valve (except Station Wagons) provide balance between front and rear brakes	
Front Brakes	Type			Disc – single piston floating caliper	
	Material			Cast iron – vented	
	Diameter and width – mm (in.)			279 x 26.2 (11.0 x 1.03)	301.2 x 26.2 (11.86 x 1.03)
	Lining material			Molded asbestos composition	
	Method of attachment			Riveted	
	Lining size (length x width x thickness)	Inboard – mm (in.)		137.2 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)	
		Outboard – mm (in.)		137.2 x 48.8 x 11.81 (5.40 x 1.92 x 0.465)	
	Lining area – cm^2 ($in.^2$)			267.5 (41.47)	
	Eff. Area – cm^2 ($in.^2$)			237.4 (36.8)	
	Swept Area – cm^2 ($in.^2$)			1356.9 (210.37)	1521.8 (235.94)
	Piston diameter – mm (in.)			74.7 (2.94)	
Rear Brakes	Type			Finned drum – composite, web cast into rim	
	Material			Molded asbestos composition	
	Dia. and width – mm (in.)			241.3 x 50.8 (9.5 x 2.0)	279.4 x 50.8 (11.0 x 2.0)
	Lining material			Molded asbestos composition	
	Method of attachment			Riveted	
	Lining Size (length x width x thickness)	Primary	mm	192.5 x 50.8 x 5.0	225.0 x 50.8 x 5.6
			in.	7.58 x 2.0 x 0.196	8.86 x 2.0 x 0.22
		Secondary	mm	249.7 x 50.8 x 6.73	291.3 x 50.8 x 6.6
			in.	9.83 x 2.0 x 0.265	11.47 x 2.0 x 0.26
	Lining area – cm^2 ($in.^2$)			449.2 (69.64)	524.5 (81.32)
	Eff. Area – cm^2 ($in.^2$)			411.0 (63.72)	479.7 (74.37)
	Swept Area – cm^2 ($in.^2$)			748.6 (116.06)	891.4 (138.20)
	Piston diameter – mm (in.)			22.2 (0.875)	23.81 (0.9375)
Apply System	Master cylinder dia. – mm (in.)			28.6 (1.125)	
	Piston travel – mm (in.)			35.8 (1.41)	
	Pedal travel – mm (in.)			39.6 (1.56)	
	Pedal ratio			3.50:1	
	Line pressure @ 100 lb. pedal load	kPa			
		PSI			
Parking Brake	Type			Mechanical; pull rods and cables operate rear service brakes; parking brake "ON" warning light provided	
	Control			Pendulum foot pedal; released by "T" handle located below instrument panel to left of steering column.	
	Total effective area – cm^2 ($in.^2$)			411.0 (63.72)	479.7 (74.37)

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray lamp	1-1445	.7
Back-up	2-1156	32
Brake warning	1-194	2
Clock Illumination	1-1816	3
Courtesy		
Instrument panel	2-631	6
Direction signal indicator	2-194	2
Dome	1-211	12
Dome reading lamp		
Reading	2-1004	15
Dome	1-211	12
End gate door indicator	1-194	2
Generator indicator	1-194	2
Glove compartment	1-1891	2
Headlamp hi-beam indicator	1-194	2
Headlamp Outer	2-4652	High beam 37.5W
		Low beam 40.0W
Inner	2-4651	High beam 50.0W
Heater or A/C controls	1-194	2
Instrument cluster	8-168	3
	2-194	2
License plate, rear	1-194	2
Luggage compartment	1-1003	15
Oil pressure indicator	1-194	2
Parking		
Park	2-1157NA	2.2
Turn		24
Seat belt warning	2-194	2
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Radio dial RPO U63 and/or U69	1-1893	2
Radio dial and indicator	1-1893 (dial)	1-dial
RPO U58	1-DS410 (indicator)	Led (a)
Radio dial and indicator	1-1893 (dial)	2
RPO UM1 and/or UM2	1-DS410 (indicator)	Led (a)
Tail, stop and turn	1157*	Tail, 3; stop & turn, 32
Temperature indicator	1-194	2
Underhood	1-93	15
W/S washer & light switch indicator	1-194	2

*—Station wagons 2; balance 4.
(a) Light emitting diode.

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
	25 amp fuse	Fuse panel (h)
Ash tray lamp	5 amp fuse	Fuse panel (f)
Back-up lamps	20 amp fuse	Fuse panel (b)
Brake warning lamp	10 amp fuse	Fuse panel (c)
Choke pull-out solenoid	10 amp fuse	Fuse panel (g)
Cigarette lighter	20 amp fuse	Fuse panel (e)
Clock	20 amp fuse	Fuse panel (e)
Clock illumination	5 amp fuse	Fuse panel (f)
Courtesy lamps	20 amp fuse	Fuse panel (e)
Defroster rear window	10 amp fuse	Fuse panel (c)
Direction signal indicator lamps	20 amp fuse	Fuse panel (b)
Dome lamp & reading lamp	20 amp fuse	Fuse panel (e)
Door open indicator	20 amp fuse	Fuse panel (d)
End gate ajar lamp	10 amp fuse	Fuse panel (c)
Fuel gauge	10 amp fuse	Fuse panel (c)
Generator indicator lamp	25 amp fuse	Fuse panel (h)
Glove compartment lamp	20 amp fuse	Fuse panel (e)
Headlamps	Circuit breaker	Light switch
Headlamps hi-beam indicator lamp	Circuit breaker	Light switch
Heater	25 amp fuse	Fuse panel (h)
Heater control lamp	5 amp fuse	Fuse panel (f)
Instrument cluster lamps	5 amp fuse	Fuse panel (f)
Key buzzer	20 amp fuse	Fuse panel (e)
License plate lamp, rear	20 amp fuse	Fuse panel (d)
Luggage compartment lamp	20 amp fuse	Fuse panel (e)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (c)
Override – Head light buzzer	10 amp fuse	Fuse panel (C)
Park and turn lamps - front	20 amp fuse	Fuse panel (d)
Power heat valve solenoid	10 amp fuse	Fuse panel (g)
Power seat	30 amp CB	Fuse panel
Power tailgate window	30 amp CB	Fuse panel
Power tailgate window relay	20 amp fuse	Fuse panel (b)
Power windows	20 amp CB	Firewall
Radio	10 amp fuse	Fuse panel (g)
Radio lamp	5 amp fuse	Fuse panel (f)
Seat belt warning lamp	10 amp fuse	Fuse panel (c)
Seat belt warning buzzer	10 amp fuse	Fuse panel (c)
Side marker lamp - front	20 amp fuse	Fuse panel (d)
Side marker lamp - rear	20 amp fuse	Fuse panel (d)
Speed cruise control	10 amp fuse	Fuse panel (c)
Stop and turn lamps	20 amp fuse	Fuse panel (a)
Tail lamps	20 amp fuse	Fuse panel (d)
Temperature indicator lamp	10 amp fuse	Fuse panel (c)
Traffic hazard indicator	20 amp fuse	Fuse panel (a)
Underhood lamp	15 amp fuse	In line
Windshield wiper, two-speed	25 amp fuse	Fuse panel
Wiper system - pulse	10 amp fuse	Fuse panel (g)
Transmission downshift	10 amp fuse	Fuse panel (g)

*Letter suffix indicates same circuit

MULTIPLICATION FACTORS

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
4.1 Litre L6 Base – L22 (All Models except Station Wagons)	3-Speed Automatic	Drive	13.76:1 - 2.73:1	2.73
		Second	13.76:1 - 4.15:1	
		Low	13.76:1 - 6.88:1	
		Reverse	10.60:1 - 5.30:1	
5.0 Litre V8 Optional – LG3 (All Models except Station Wagons)	3-Speed Automatic	Drive	12.15:1 - 2.41:1	2.41
		Second	12.15:1 - 3.66:1	
		Low	12.15:1 - 6.07:1	
		Reverse	9.35:1 - 4.68:1	
	3-Speed Automatic	Drive	15.52:1 - 2.41:1	
		Second	15.52:1 - 3.78:1	
		Low	15.52:1 - 6.60:1	
		Reverse	10.22:1 - 4.99:1	
5.7 Litre V8 Optional – LM1 (All models except Station Wagons)	3-Speed Automatic	Drive	12.15:1 - 2.41:1	2.41
		Second	12.15:1 - 3.78:1	
		Low	12.15:1 - 6.07:1	
		Reverse	9.35:1 - 4.68:1	
	3-Speed Automatic	Drive	15.52:1 - 2.41:1	
		Second	15.52:1 - 3.78:1	
		Low	15.52:1 - 6.60:1	
		Reverse	10.22:1 - 4.99:1	
5.0 Litre V8 Base – LG3 (Station Wagons only)	3-Speed Automatic	Drive	12.90:1 - 2.56:1	2.56
		Second	12.90:1 - 3.89:1	
		Low	12.90:1 - 6.45:1	
		Reverse	9.93:1 - 4.97:1	
5.7 Litre V8 Optional – LM1 (Station Wagons only)	3-Speed Automatic	Drive	12.90:1 - 2.56:1	2.56
		Second	12.90:1 - 3.89:1	
		Low	12.09:1 - 6.45:1	
		Reverse	9.93:1 - 4.97:1	

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type			L6-OHV	V8-OHV	
Piston Displacement		Litres	4.1	5.0	5.7
		Cubic Inches	250	305	350
Availability			Std. (L22)	RPO LG3	RPO LM1
Number of Cylinders			Six	Eight	
Bore and Stroke		Millimetres	98.42 x 89.66	94.89 x 88.4	101.6 x 88.4
		Inches	3.875 x 3.53	3.736 x 3.48	4.00 x 3.48
Compression Ratio			8.1:1	8.4:1	8.2:1
Taxable (SAE)		Kilowatts	26.9	33.3	38.2
		Horsepower	36.0	44.7	51.2
Firing Order			1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Idling Speed		Automatic (In Drive)	550	500	
Compression Press. @ Cranking Speed, Engine Hot		Kilopascals	896	1103	
		Pounds/Sq. In.	130	160	
Power Plant Mounting			Two front and one rear		
Measurements	Length (b)	Millimetres	908.8	801.4	
		Inches	35.78	31.55	
	Height (c)	Millimetres	691.4	751.8	724.4
		Inches	27.22	29.60	28.52
	Width (d)	Millimetres	451.1	724.7	
		Inches	17.76	28.53	

ADVERTISED ENGINE RATING

Engine Designation			4.1 Litre – L6 (250 Cu. In.)	5.0 Litre – V8† (305 Cu. In.)	5.7 Litre – V8 (350 Cu. In.)
Availability			Std. – L22	RPO LG3	RPO LM1
Carburetor			Single Bbl.	Two Bbl.	Four Bbl.
Net Brake – RPM	Federal	Kilowatts	82 @ 3800	108 @ 3800	127 @ 3800
		Horsepower	110 @ 3800	145 @ 3800	170 @ 3800
	California	Kilowatts	67 @ 3600	101 @ 3800	119 @ 3800
		Horsepower	90 @ 3600	135 @ 3800	160 @ 3800 (a)
Net Torque – RPM	Federal	Newton/Metre	258 @ 1600	332 @ 2400	366 @ 2400
		Pound/Foot	190 @ 1600	245 @ 2400	270 @ 2400
	California	Newton/Metre	237 @ 1600	325 @ 2400	352 @ 2400
		Pound/Foot	175 @ 1600	240 @ 2000	260 @ 2400 (a)

† – Base on Station Wagon models.

(a) Also Federal ratings above 4000 feet altitude.
(b) Fan clutch to rear of engine block.
(c) Top of air cleaner to bottom of oil pan.
(d) L6 engine-oil filter to exhaust manifold; V8 engine-across exhaust manifolds.

POWER TRAINS

POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS* ALL STATES BASE	AXLE RATIOS* ALL STATES OPTION	AXLE RATIOS* WITH ALT. RPO NA6	RING GEAR mm (in.)	LW. CLASS Kg (lbs.)
4.1 Litre L6 (250 Cu. In.) L22 Base – All States	3-Speed Automatic	Coupes & Sedans	2.73	–	–	216 (8.50)	1816 (4000)
5.0 Litre V8 (305 Cu. In.) LG3 Optional – All States (a)	3-Speed Automatic	Coupes & Sedans	2.41	–	–	191 (d) (7.50) (b)	1816 (4000)
		Station Wagons (c)	2.56	–	–	222 (8.75)	2043 (4500)
5.7 Litre V8 (350 Cu. In.) LM1 Optional	3-Speed Automatic	Coupes & Sedans	2.41	3.08	3.08	191 (d) (7.50) (b)	1816 (4000)
		Station Wagons	2.56	3.08	3.08	222 (8.75)	2043 (4500)

* – Positraction axles available optionally for all ratios; same ratios available with Air Conditioning.

(a) – Base engine for Station Wagons – optional other models listed.
(b) – 191 mm (7.50 in.) ring gear standard with 2.41 ratio rear axle; 216 mm (8.50 in.) optional. 216 mm (8.50 in.) ring gear standard with 3.08 ratio rear axle.
(c) – Not available in California or with Air Conditioning.
(d) – Ring gear for limited slip axle is 216 mm.

4.1 LITRE L6 ENGINE (BASE – L22)

Model Availability			Coupes and Sedans
Transmission			3-Speed Automatic
Rear Axle Ratio			2.73:1
Tire Size			FR78-15B
Crankshaft Revolutions per	Kilometre		1321.3
	Mile		2126.7
Crankshaft RPM @ 1 Kilometre/Hour and 1 Mile/Hour	Low	km/h	34.5
		m/h	89.3
	Second	km/h	20.8
		m/h	53.9
	Third	km/h	13.7
		m/h	35.4
	Reverse	km/h	26.5
		m/h	68.8
Piston Travel	Millimetre/Kilometre		777.3
	Foot/Mile		1251.2

5.0 LITRE V8 ENGINE (RPO LG3)

Model Availability			Coupes and Sedans	Station Wagons
Transmission			3-Speed Automatic	
Rear Axle Ratio			2.41:1	2.56:1
Tire Size			FR78-15B	HR78-15B
Crankshaft Revolutions per	Kilometre		1166.4	1182.7
	Mile		1877.4	1904.6
Crankshaft RPM @ 1 Kilometre/Hour and 1 Mile/Hour	Low	km/h	30.5	30.7
		m/h	78.9	79.9
	Second	km/h	18.4	18.5
		mh	47.6	48.2
	Third	km/h	12.1	12.2
		m/h	31.3	31.7
	Reverse	km/h	23.5	23.7
		m/h	60.7	61.5
Piston Travel	Millimetre/Kilometre		676.6	686.0
	Foot/Mile		1088.9	1104.7

5.7 LITRE V8 ENGINE (RPO LM1)

Model Availability			Coupes and Sedans	Station Wagons
Transmission			3-Speed Automatic	
Rear Axle Ratio			2.41	2.56
Tire Size			FR78-15B	HR78-15B
Crankshaft Revolutions per	Kilometre		1166.4	1182.7
	Mile		1877.4	1904.6
Crankshaft RPM @ 1 Kilometre/Hour and 1 Mile/Hour	Low	km/h	30.5	30.7
		m/h	78.9	79.9
	Second	km/h	18.4	18.5
		m/h	47.6	48.2
	Third	km/h	12.1	12.2
		m/h	31.3	31.7
	Reverse	km/h	23.5	23.7
		m/h	60.7	61.5
Piston Travel	Millimetre/Kilometre		676.6	686.0
	Foot/Mile		1088.9	1104.7

VEHICLE PERFORMANCE FACTORS

ENGINE	4.1 LITRE 250 CU. IN. 110 HP 82 kW	5.0 LITRE 305 CU. IN. 145 HP 108 kW	5.7 LITRE 350 CU. IN. 170 HP 127 kW
MODEL	1BL69	1BN69	1BN69

● 3-SPEED AUTOMATIC TRANSMISSION

Performance	Mass-Kilograms	1914	1988	1992
	Weight-Pounds	4220	4383	4392
Kilograms per Net Kilowatt	Federal	23.34	18.41	15.69
	California	28.57	19.68	16.74
Pounds per Net Horsepower	Federal	38.36	30.22	25.83
	California	46.89	32.47	27.45
Kilograms per Litre Displacement		466.8	399.6	349.5
Pounds per Cu. In. Displacement		16.88	14.37	12.55
Net kW/Litre Displacement	Federal	20.0	21.6	25.4
	California	16.34	20.2	20.9
Net HP/Cu. In. Displacement	Federal	.440	.475	.486
	California	.360	.443	.457
Power Displacement	Litre/kilometre	95.71	103.0	119.1
	Cu.Ft./mile	153.84	165.7	192.9
Displacement Factor	Litre/tonne kilometre	45.36	47.01	54.24
	Cu.Ft./ton mile	72.91	75.61	87.84

GLOSSARY
(English equivalent is bracketed)

Performance Weight (Mass)	Curb Weight (Mass) plus average weight of four passengers – 272.2 kg (600 lbs.)
Power Displacement	$\frac{\text{Crankshaft Revs/km (Revs/Mi) x Piston Displacement}}{\text{2 x 28.3 Cu. Litres (2 x 1728 cu. in.)}}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Weight (tons) Mass (tonne)}}$

CYLINDER BLOCK

Material . . . . . Cast alloy iron

Bore Diameter

Engine	Millimetres	Inches
4.1 Litre L6	98.4123-98.4885	3.8745-3.8775
5.0 Litre V8	94.8817-94.9579	3.7355-3.7385
5.7 Litre V8	101.5873-101.6635	3.9995-4.0025

Bore Spacing (C/L to C/L) . . . 111.76 mm (4.4 in.)

Bearing Caps (Number, material and attachment)

4.1 Litre L6 . . . . . 7, cast iron, 2-bolt

5.0 & 5.7 Litre V8 . . . . . 5, cast iron, 2-bolt

Water Jacket . . . . Full length around each cylinder

CYLINDER HEAD

Material . . . . . High chrome cast alloy iron

Bolts, Number

4.1 Litre L6 14

5.0 & 5.7 Litre V8 34

Bolt, Dia.

4.1 Litre L6 . . . . . 12.7 mm (.50 in.)

5.0 & 5.7 Litre V8 . . . . 11.112 mm (.4375 in.)

COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)

Engine	Litres	Cu. In.
4.1 Litre L6	0.095	5.77
5.0 Litre V8	0.084	5.13
5.7 Litre V8	0.103	6.27

INLET MANIFOLD

Material

Model 1BN69 w/5.7 Litre V8 . . . . . Aluminum

Remainder . . . . . Cast iron

Type

4.1 Litre L6 . . . . . Integral with cylinder head

5.0 & 5.7 Litre V8 . . . . . 8 port, double deck

EXHAUST MANIFOLD

Material . . . . . Cast alloy iron

Type

4.1 Litre L6 4 port, underslung, center downtake

5.0 & 5.7 Litre V8 . Dual, 4 port, rear downtake

Outlet Diameter

4.1 Litre L6 . . . . . 57.1 mm (2.25 in.)

5.0 & 5.7 Litre V8 . . . . . 50.8 mm (2.0 in.)

CRANKSHAFT

Material . . . . . Cast nodular iron

End Play

4.1 Litre L6 . . . . 0.05-0.15 mm (.002-.006 in.)

5.0 & 5.7 Litre V8 0.05-0.18 mm (.002-.007 in.)

Counterweights

4.1 Litre L6 12

5.0 & 5.7 Litre V8 6

Crank Arm Length

4.1 Litre L6 . . . . . 44.83 mm (1.765 in.)

5.0 & 5.7 Litre V8 . . . . . 44.20 mm (1.74 in.)

Torsional Damper . . . . . Rubber mounted inertia

Timing Gear

4.1 Litre L6 . . . . . Cast iron

5.0 & 5.7 Litre V8 . . . . . Sintered iron

MAIN BEARINGS

Material . . . . . Steel backed insert; (copper lead alloy or premium aluminum lining selected for specific engine application)

Type . . . . . Precision removable

Thrust Against Bearing

4.1 Litre L6 . . . . . Number 7

5.0 & 5.7 Litre V8 . . . . . Number 5

Clearance

4.1 Litre L6 . 0.007-0.074 mm (.0003-.0029 in.)

5.0 & 5.7 Litre V8

No. 1 . . . 0.020-0.051 mm (.0008-.0020 in.)

No. 2-4 . . 0.028-0.058 mm (.0011-.0023 in.)

No. 5 . . . 0.043-0.084 mm (.0017-.0033 in.)

4.1 Litre L6

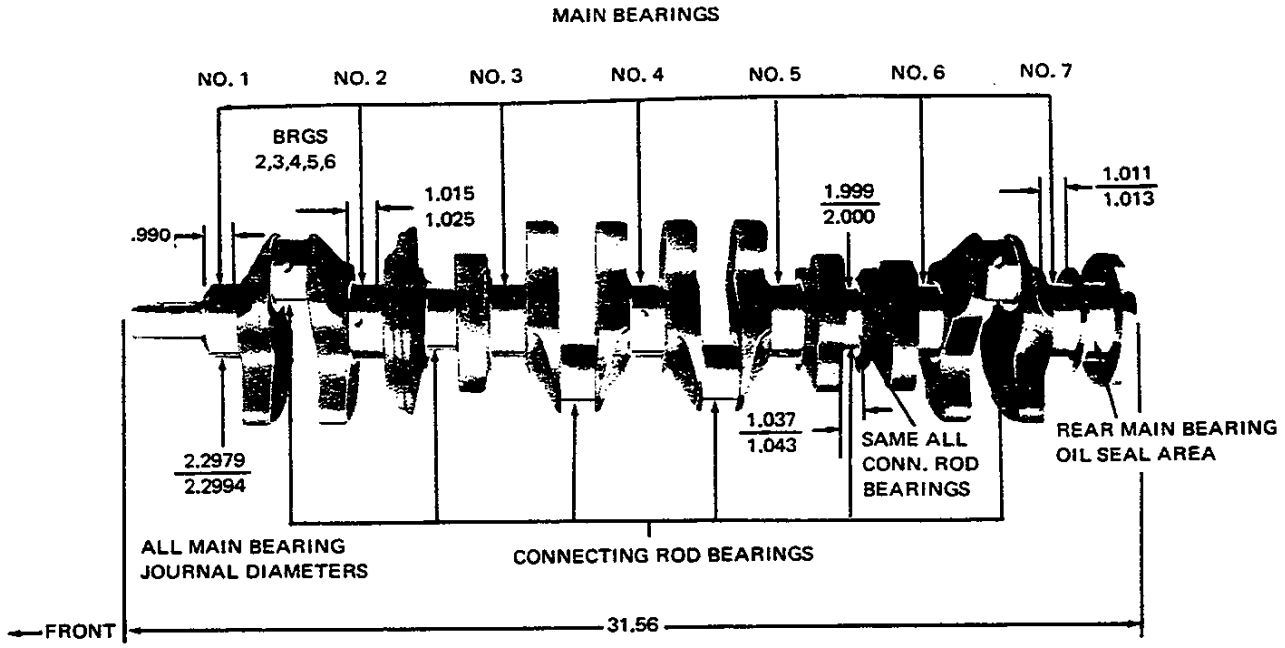
	Theoretical Inner Dia.	Effective Length	Projected Area
No. 1-6			
Millimetres	58.417	19.10	43.929 cm^2
Inches	2.2999	.752	1.7295 $in.^2$
No. 7			
Millimetres	58.417	19.30	44.397 cm^2
Inches	2.2999	.760	1.7479 $in.^2$

5.0 & 5.7 Litre V8

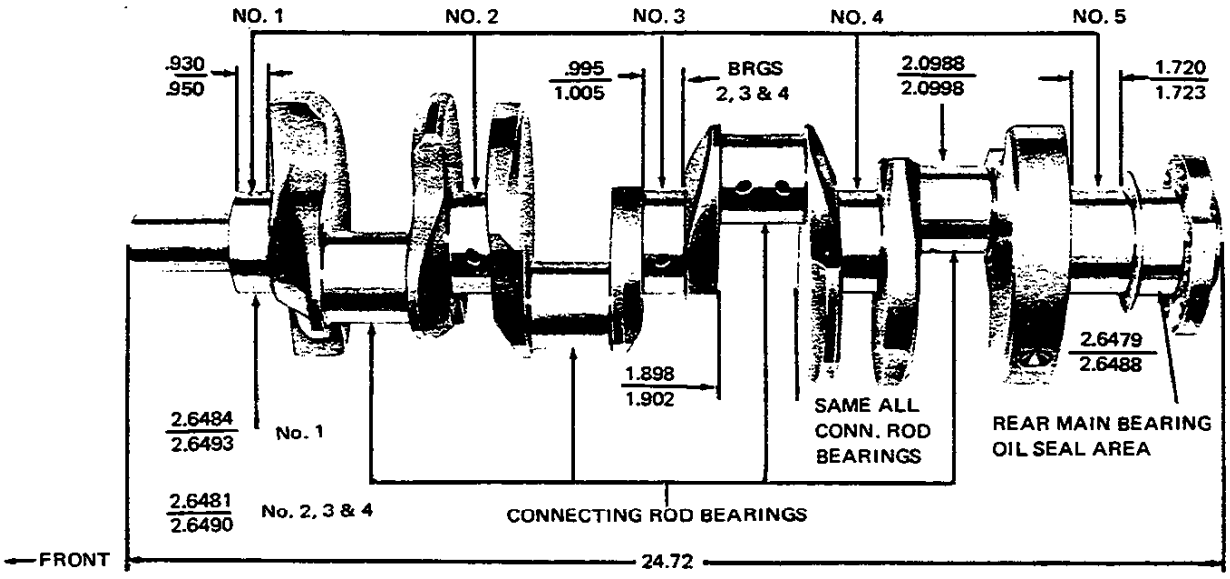
No. 1-4			
Millimetres	62.235	19.10	46.799 cm^2
Inches	2.4502	.752	1.8425 $in.^2$
No. 5			
Millimetres	62.250	29.97	73.454 cm^2
Inches	2.4508	1.180	2.8919 $in.^2$

CRANKSHAFTS AND BEARINGS

250 CUBIC INCH SIX CYLINDER ENGINE



V8-305 & 350 CUBIC INCH V-8 ENGINES



CAMSHAFT

Material . . . . . Cast alloy iron

Drive

4.1 Litre L6 . . . . . Gear; aluminum alloy

5.0 & 5.7 Litre V8 . Sprocket and chain, aluminum

Lobe Lift	Inlet	Exhaust
4.1 Litre L6		
Millimetres	5.631	5.880
Inches	.2217	.2315
5.0 Litre V8		
Millimetres	6.309	6.774
Inches	.2484	.2667
5.7 Litre V8		
Millimetres	6.604	6.942
Inches	.2600	.2733

Camshaft Bearings . . . . . Steel backed babbitt

VALVE TRAIN

Type . . . . . Individually mounted, overhead rocker arms, push rod actuated

Rocker Arms . . . . . Stamped steel

Ratio

4.1 Litre L6 . . . . . 1.75:1

5.0 & 5.7 Litre V8 . . . . . 1.50:1

Push Rods

Material . . . . . Welded steel tubing

Diameter . . . . . 7.937 mm (.3125 in.)

Length

4.1 Litre L6 . . . . . 244.14 mm (9.612 in.)

5.0 & 5.7 Litre V8 . . . . 196.19 mm (7.724 in.)

Rotators

5.0 & 5.7 Litre V8 . . . . . Exhaust

VALVE SPRINGS

Diameter

4.1 Litre L6 . . . . 22.15-22.35 mm (.872-.880 in.)

5.0 & 5.7 Litre V8 . 22.05-22.45 mm (.868-.884 in.)

Installed Length

Valves closed	N @ mm	Lb. @ in.
4.1 Litre L6		
	346.944-382.528 @ 42.2	78-86 @ 1.66
5.0 & 5.7 Litre V8		
Inlet	341.088-376.992 @ 43.2	76-84 @ 1.70
Exhaust	341.088-376.992 @ 41.0	76-84 @ 1.61

Valves opened

4.1 Litre L6		
	756.16-800.64 @ 32.0	170-180 @ 1.26
5.0 & 5.7 Litre V8		
Inlet	773.9-827.3 @ 31.7	174-186 @ 1.25
Exhaust	818.4-871.8 @ 29.5	184-196 @ 1.16

Free Length

4.1 Litre L6 . . . . . 43.8 mm (1.90 in.)

5.0 & 5.7 Litre V8 . . . . . 51.6 mm (2.03 in.)

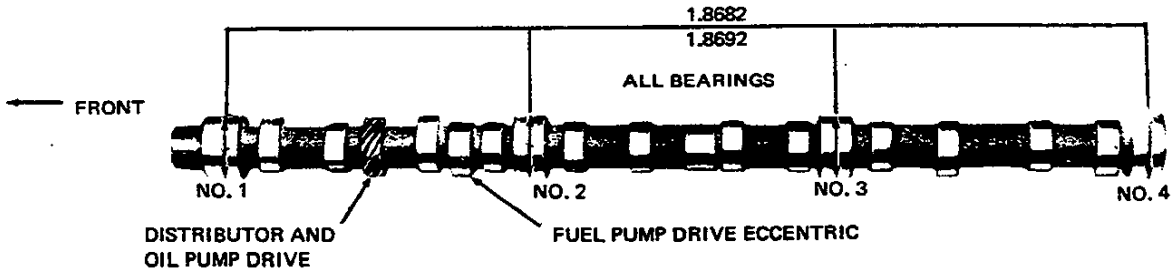
Valve Spring Damper

4.1 Litre L6 . . . . . None

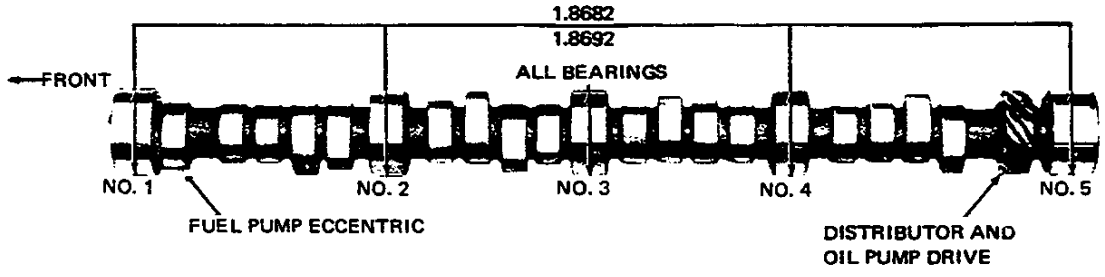
5.0 & 5.7 Litre V8 . . . . . Flat steel, 4 coils

CAMSHAFT AND BEARINGS

250 CUBIC INCH L-6 ENGINE



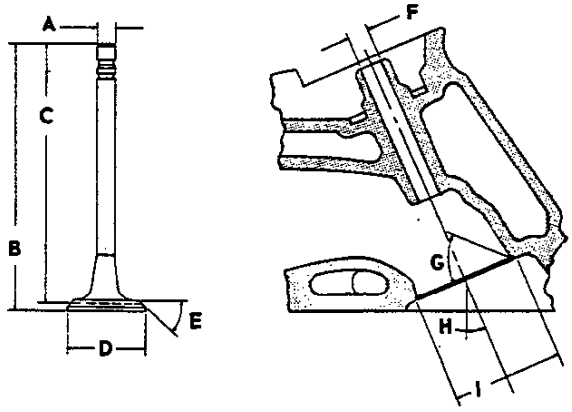
V8-305 & 350 CUBIC INCH V-8 ENGINES



PRINCIPAL COMPONENTS

INLET VALVES

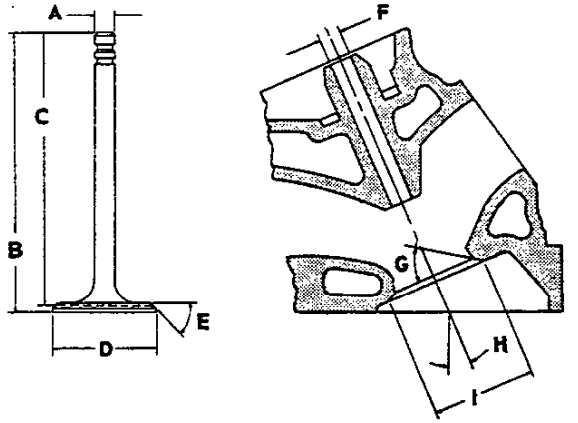
Material . . . . . Alloy steel
Coating
4.1 Litre L6 & 5.0 Litre V8 . . . . . Aluminized face
5.7 Litre V8 . . . . . None
All stems . . . . . Chrome flash



A – Stem Diameter
4.1 Litre L6 . . . . . 8.661-8.679 mm (.3410-.3417 in.)
5.0 & 5.7 Litre V8 . . 8.661-8.679 mm (.3410-.3417 in.)
B – Overall Length
4.1 Litre L6 . . . . . 124.51-125.02 mm (4.902-4.922 in.)
5.0 Litre V8 . . . . . 124.51-125.02 mm (4.902-4.922 in.)
5.7 Litre V8 . . . . . 123.70-124.18 mm (4.870-4.899 in.)
C – Gage Length
4.1 Litre L6 . . . . . 121.54-121.79 mm (4.785-4.795 in.)
5.0 & 5.7 Litre V8 . 121.54-121.79 mm (4.785-4.795 in.)
D – Overall Head Diameter
4.1 Litre L6 . . . . . 43.56-43.81 mm (1.715-1.725 in.)
5.0 Litre V8 . . . . . 43.56-43.81 mm (1.715-1.725 in.)
5.7 Litre V8 . . . . . 49.15-49.28 mm (1.935-1.945 in.)
E – Angle of Face . . . . . 45°
F – Guide Diameter
4.1 Litre L6 . . . . . 8.704-8.730 mm (.3427-.3437 in.)
5.0 & 5.7 Litre V8 . . 8.704-8.730 mm (.3427-.3437 in.)
G – Angle of Seat . . . . . 46°
H – Valve Angle
4.1 Litre L6 . . . . . 9°
5.0 & 5.7 Litre V8 . . . . . 23°
I – Valve Seat (cutter) Diameter
4.1 Litre L6 . . . . . 40.41-40.56 mm (1.591-1.597 in.)
5.0 & 5.7 Litre V8 . . 46.30-46.46 mm (1.823-1.829 in.)

EXHAUST VALVES

Material . . . . . High alloy steel
Coating
4.1 Litre L6 . . . . . Aluminized face
5.0 & 5.7 Litre V8 . . . . . Aluminized face
All stems . . . . . Chrome flash



A – Stem Diameter
4.1 Litre L6 . . . . . 8.661-8.679 mm (.3410-.3417 in.)
5.0 & 5.7 Litre V8 . . 8.661-8.679 mm (.3410-.3417 in.)
B – Overall Length
4.1 Litre L6 . . . . . 124.79-125.30 mm (4.913-4.933 in.)
5.0 & 5.7 Litre V8 . 124.71-125.22 mm (4.910-4.930 in.)
C – Gage Length
4.1 Litre L6 . . . . . 119.63-121.69 mm (4.781-4.791 in.)
5.0 & 5.7 Litre V8 . 119.63-121.69 mm (4.781-4.791 in.)
D – Overall Head Diameter
4.1 Litre L6 . . . . . 37.91-38.23 mm (1.495-1.505 in.)
5.0 & 5.7 Litre V8 . . 37.91-38.23 mm (1.495-1.505 in.)
E – Angle of Face . . . . . 45°
F – Guide Diameter
4.1 Litre L6 . . . . . 8.704-8.730 mm (.3427-.3437 in.)
5.0 & 5.7 Litre V8 . . 8.704-8.730 mm (.3427-.3437 in.)
G – Angle of Seat . . . . . 46°
H – Valve Angle
4.1 Litre L6 . . . . . 9°
5.0 & 5.7 Litre V8 . . . . . 23°
I – Valve Seat (cutter) Diameter
4.1 Litre L6 . . . . . 33.55-33.71 mm (1.321-1.327 in.)
5.0 & 5.7 Litre V8 . . 33.55-33.71 mm (1.321-1.327 in.)

VALVE LIFT
- 4.1 Litre L6
  - Inlet ..... 9.855 mm (.3880 in.)
  - Exhaust ..... 10.289 mm (.4051 in.)
- 5.0 Litre V8
  - Inlet ..... 9.467 mm (.3727 in.)
  - Exhaust ..... 10.414 mm (.4100 in.)
- 5.7 Litre V8
  - Inlet ..... 9.906 mm (.3900 in.)
  - Exhaust ..... 10.414 mm (.4100 in.)

VALVE TIMING (Crankshaft Degrees-Excluding Ramps)
- 4.1 Litre L6
  - Inlet Valve
    - Opens – BTC ..... 16°
    - Closes – ABC ..... 48°
    - Duration ..... 244°
  - Exhaust Valve
    - Opens – BBC ..... 64°
    - Closes – ATC ..... 50°
    - Duration ..... 294°
- 5.0 Litre V8
  - Inlet Valve
    - Opens – BTC ..... 28°
    - Closes – ABC ..... 64°
    - Duration ..... 272°
  - Exhaust Valve
    - Opens – BBC ..... 78°
    - Closes – ATC ..... 30°
    - Duration ..... 288°
- 5.7 Litre V8
  - Inlet Valve
    - Opens – BTC ..... 28°
    - Closes – ABC ..... 72°
    - Duration ..... 280°
  - Exhaust Valve
    - Opens – BBC ..... 78°
    - Closes – ATC ..... 30°
    - Duration ..... 288°

PISTONS
- Material ..... Cast aluminum alloy
- Head Type ..... Sump
- Skirt Type ..... Slipper
- Top Land Clearance
  - 4.1 Litre L6 ... 0.622-0.851 mm (.0245-.0335 in.)
  - 5.0 Litre V8 ... 0.622-0.851 mm (.0245-.0335 in.)
  - 5.7 Litre V8 ... 0.597-0.825 mm (.0235-.0325 in.)
- Skirt Clearance
  - 4.1 Litre L6 ... 0.013-0.038 mm (.0005-.0015 in.)
  - 5.0 Litre V8 ... 0.043-0.107 mm (.0017-.0042 in.)
  - 5.7 Litre V8 ... 0.018-0.043 mm (.0007-.0017 in.)
- Compression Ring Groove Depth
  - 4.1 Litre L6 ... 5.469-5.634 mm (.2153-.2218 in.)
  - 5.0 Litre V8 ... 5.088-5.265 mm (.2003-.2073 in.)
  - 5.7 Litre V8 ... 5.634-5.862 mm (.2218-.2308 in.)
- Oil Ring Groove Depth
  - 4.1 Litre L6 ... 5.316-5.481 mm (.2093-.2158 in.)
  - 5.0 Litre V8 ... 5.342-5.570 mm (.2103-.2193 in.)
  - 5.7 Litre V8 ... 5.176-5.342 mm (.2038-.2103 in.)
- Pin Bore Offset ..... 1.40-1.65 mm (.055-.065 in.)
- Compression Height
  - 4.1 Litre L6 ... 42.11-42.21 mm (1.658-1.662 in.)
  - 5.0 & 5.7 Litre V8 ..... 39.57-39.67 mm (1.558-1.562 in.)

PISTON PINS
- Material ..... Chromium steel
- Length
  - 4.1 Litre L6 ... 75.95-76.45 mm (2.990-3.010 in.)
  - 5.0 & 5.7 Litre V8 ..... 75.95-76.45 mm (2.990-3.010 in.)
- Diameter
  - 4.1 Litre L6 . 23.546-23.553 mm (.9270-.9273 in.)
  - 5.0 & 5.7 Litre V8 ..... 23.546-23.553 mm (.9270-.9273 in.)
- Clearance in Piston
  - 4.1 Litre L6 0.0038-0.0064 mm (.00015-.00025 in.)
  - 5.0 & 5.7 Litre V8 ..... 0.0063-0.0089 mm (.00025-.00035 in.)

PRINCIPAL COMPONENTS

COMPRESSION RINGS – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	
4.1 Litre L6	Barrel
5.0 & 5.7 Litre V8	Radius
Coating	
4.1 Litre L6	Wear resistant molybdenum inlay, graphite impregnated
5.0 & 5.7 Litre V8	Chrome flash
Width	
4.1 Litre L6	1.969-1.981 mm (.0775-.0780 in.)
5.0 Litre V8	1.956-1.981 mm (.0770-.0780 in.)
5.7 Litre V8	1.969-1.981 mm (.0775-.0780 in.)
Wall Thickness	
4.1 Litre L6	4.67-4.93 mm (.184-.194 in.)
5.0 Litre V8	4.24-4.49 mm (.167-.177 in.)
5.7 Litre V8	4.83-5.08 mm (.190-.200 in.)
Gap	0.25-0.51 mm (.010-.020 in.)

COMPRESSION RINGS – LOWER

Material	Cast alloy iron
Type	
4.1 Litre L6	Inside bevel
5.0 & 5.7 Litre V8	Reverse twist
Face	Tapered
Coating	Wear resistant
Width	
4.1 Litre L6	1.956-1.981 mm (.0770-.0780 in.)
5.0 & 5.7 Litre V8	1.956-1.968 mm (.0770-.0775 in.)
Wall Thickness	
4.1 Litre L6	4.67-4.93 mm (.184-.194 in.)
5.0 Litre V8	4.24-4.49 mm (.167-.177 in.)
5.7 Litre V8	4.83-5.08 mm (.190-.200 in.)
Gap	
4.1 Litre L6	0.25-0.51 mm (.010-.020 in.)
5.0 Litre V8	0.25-0.63 mm (.010-.025 in.)
5.7 Litre V8	0.33-0.63 mm (.013-.025 in.)

OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Rail Coating	Chrome plating
Width (assembled)	
4.1 Litre L6	4.699-4.750 mm (.1850-.1870 in.)
5.0 Litre V8	4.722-4.773 mm (.1859-.1879 in.)
5.7 Litre V8	4.699-4.750 mm (.1850-.1870 in.)
Wall Thickness	
4.1 Litre L6	3.86-4.01 mm (.152-.158 in.)
5.0 Litre V8	3.50-3.63 mm (.138-.143 in.)
5.7 Litre V8	3.81-3.96 mm (.150-.156 in.)
Gap	
4.1 Litre L6	0.38-1.40 mm (.015-.055 in.)
5.0 Litre V8	0.25-0.89 mm (.010-.035 in.)
5.7 Litre V8	0.38-1.40 mm (.015-.055 in.)

CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
4.1 Litre L6	144.65-144.91 mm (5.695-5.705 in.)
5.0 & 5.7 Litre V8	144.65-144.91 mm (5.695-5.705 in.)

CONNECTING ROD BEARINGS

Material	Premium aluminum
Type	Precision removable
Clearance	
4.1 Litre L6	0.018-0.069 mm (.0007-.0027 in.)
5.0 & 5.7 Litre V8	0.033-0.089 mm (.0013-.0035 in.)
Theoretical I.D.	
4.1 Litre L6	50.843 mm (2.0017 in.)
5.0 & 5.7 Litre V8	53.370 mm (2.1012 in.)
Effective Length	
4.1 Litre L6	20.50 mm (.807 in.)
5.0 & 5.7 Litre V8	20.24 mm (.797 in.)
End Play	
4.1 Litre L6	0.18-0.41 mm (.007-.016 in.)
5.0 & 5.7 Litre V8	0.15-0.41 mm (.006-.016 in.)

FUEL TANK
- Capacity
  - Sedans & Coupes . . . . . 79.5 litres (21 gallon)
  - Station Wagons . . . . . 83.3 litres (22 gallons)
- Fuel Tank Location . . . . . Behind rear axle
- Filler Location
  - Sedans & Coupes . . Behind hinged rear license plate
  - Station Wagons . . . . . Left rear quarter panel

FUEL FILTERS, DUAL
- In Fuel Tank . . . . . Mesh strainer
- In Carburetor Inlet . . . . . Paper

FUEL PUMP ASSEMBLY
- Type . . . . . Mechanical, diaphragm
- Drive . . . . . Camshaft, eccentric
- Location . . . . . Right side front of engine
- Pressure Range (shut off pressure at 1800 RPM)
  - 4.1 Litre L6 . . . . . 27.6-34.5 kPa (4.0-5.0 PSI)
  - 5.0 & 5.7 Litre V8 . . . . 51.7-62.1 kPa (7.5-9.0 PSI)

AIR CLEANER
- Type . . . . . Cylindrical with air horn attached to ducted air inlet
- Diameter
  - 4.1 Litre L6 . . . . . 320.5 mm (12.62 in.)
  - 5.0 & 5.7 Litre V8 . . . . . 393.7 mm (15.5 in.)
- Filter Element . . . . . Oil-wetted paper

CARBURETORS
- Type
  - 4.1 Litre L6 . . . . . 1-barrel, Monojet
  - 5.0 Litre V8 . . . . . 2-barrel
  - 5.7 Litre V8 . . . . . 4-barrel
- SAE Flange Size 1.50
- Throttle Bore
  - 4.1 Litre L6 . . . . . 42.9 mm (1.69 in.)
  - 5.0 Litre V8 . . . . . 42.9 mm (1.69 in.)
  - 5.7 Litre V8
    - Primary . . . . . 35.0 mm (1.38 in.)
    - Secondary . . . . . 57.2 mm (2.25 in.)
- Secondary Throttle Actuation . . . . . By linkage approximately when primary valves are opened halfway between closed and open.
- Venturi Diameter
  - 4.1 Litre L6 . . . . . 33.3 mm (1.31 in.)
  - 5.0 Litre V8 . . . . . 30.2 mm (1.19 in.)
  - 5.7 Litre V8
    - Primary . . . . . 30.9 mm (1.218 in.)
    - Secondary . . . . . Air valve

CHOKE
- Type . . . . . Automatic

EXHAUST SYSTEMS

TYPE
- 4.1 Litre L6 . . . . . Single with single converter
- 5.0 & 5.7 Litre V8 . . . . . Single with crossover pipes and converter

MUFFLERS
- Type . . . . . One, reverse flow
- Construction . . . . . Heads and body joined by rolled lock seam construction
- Head . . 1.3716 mm (.054 in.) sheet metal, aluminized
- Shell . . 1.3716 mm (.054 in.) sheet metal, aluminized
- Wrap . . . 2.286 mm (.090 in.) indented asbestos sheet
- Cover . . . 0.381 mm (.015 in.) sheet metal, aluminized
- Body
  - Length . . . . . 540 mm (21.26 in.)
  - Width (I.D.) . . . . . 279.4 mm (11.0 in.)
  - Height (I.D.) . . . . . 114.5 mm (4.51 in.)

EXHAUST CROSSOVER
- Dimensions (O.D. & Wall Thickness)
  - 5.0 & 5.7 Litre V8 . . . . . 50.8 x 1.016 mm (2.00 x 0.040 in.)

EXHAUST PIPE TO CONVERTER
- Dimensions (O.D.)
  - 4.1 Litre L6
    - Federal . . . . . 50.8 mm (2.0 in.)
    - California . . . . . 57.15 mm (2.25 in.)
  - 5.0 & 5.7 Litre V8 . . . . . 63.5 mm (2.50 in.)

EXHAUST PIPE–CONVERTER TO MUFFLER
- Dimensions (O.D. & Wall Thickness)
  - 4.1 Litre L6 . . 57.15 x 1.73 mm (2.25 x 0.068 in.)
  - 5.0 Litre V8 . . 57.15 x 1.73 mm (2.25 x 0.068 in.)
  - 5.7 Litre V8 . . 63.50 x 1.73 mm (2.50 x 0.068 in.)

EXHAUST PIPE–MUFFLER TO RESONATOR
- 5.0 & 5.7 Litre V8 . 57.15 x 1.70 mm (2.25 x 0.68 in.)

RESONATORS (5.7 Litre V8, Sedans with 3.08 axle)
- Type . . . . . Bottle type
- Inner Tube . . . . . 0.91 mm (.036 in) sheet steel
- Outer Tube . . . . . 1.37 mm (.054 in.) sheet steel

TAIL PIPES
- Dimensions (O.D. & Wall Thickness)
  - 4.1 Litre L6 . . . . 50.8 x 1.40 mm (2.0 x 0.55 in.)
  - 5.0 Litre V8 . . . . 50.8 x 1.40 mm (2.0 x 0.55 in.)
  - 5.7 Litre V8
    - Sedans & Coupes . . . . . 57.15 x 1.80 mm (2.25 x 0.71 in.)
    - Station Wagons . . . . . 57.15 x 1.40 mm (2.25 x 0.55 in.)

SYSTEM APPLICATION

System Type	Engine Application		
	4.1 Litre L22	5.0 Litre LG3	5.7 Litre LM1
PCV – Positive Crankcase Ventilation	***	***	***
EGR – Exhaust Gas Recirculation	***	***	***
CHA – Carburetor Hot Air	***	***	***
MMC – Monolith Manifold Converter	**	–	–
FEC – Fuel Evaporation Control System	***	***	***
CCS – Controlled Combustion System	*	*	*
UFC – Underfloor Converter	***	***	***
EFE – Early Fuel Evaporation	***	***	***
MAI – Manifold Air Injection	**	**	**

*–Not available in California.
**–Available in California only.
***–Available – all states.

BASIC FUNCTION OF SYSTEMS

POSITIVE CRANKCASE VENTILATION

Withdraws oil and gas vapors from the various cavities throughout the engine for burning in all combustion cycle.

EXHAUST GAS RECIRCULATION

Meters exhaust gas into induction system for recirculation through the combustion cycle to reduce oxides of nitrogen emissions.

CARBURETOR HOT AIR

Meters and mixes heated air with incoming cold air to optimize fuel vaporization.

MONOLITH MANIFOLD CONVERTER

The flow of exhaust gases down through the catalyst, within the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

MANIFOLD AIR INJECTION

Compresses, regulates and distributes quantities of air to the manifold to more completely burn carbon monoxide and hydrocarbon emissions.

FUEL EVAPORATION CONTROL SYSTEM

Controls emission of gasoline vapors to the atmosphere by means of an integral separator with the fuel tank that separates vapor from liquid fuel - a filler cap that doesn't permit venting into the atmosphere - a canister for storage of vapors - lines, hoses and valves to control and transport vapors from fuel tank and carburetor float bowl to storage, and finally, to the carburetor for utilization in running the engine.

CONTROLLED COMBUSTION SYSTEM

Increases combustion efficiency through leaner carburetor mixtures and revised distributor calibration. Special thermostatically controlled damper, in the air cleaner snorkel maintains warm air intake to carburetor.

UNDERFLOOR CONVERTER

The flow of exhaust gases down through the catalyst, within the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

EARLY FUEL EVAPORATION

System is designed to produce a very short engine warm-up cycle to improve vehicle driveability and reduce exhaust emission.

LUBRICATION SYSTEM

GENERAL
- Type . . . . . Controlled full pressure
- Main Bearings . . . . . Pressure
- Connecting Rods . . . . . Pressure
- Piston Pins . . . . . Splash
- Cylinder Walls
  - 4.1 Litre L6 . Main and conn. rod bearing throw-off
  - 5.0 & 5.7 Litre V8 . . . . . Pressure, jet cross sprayed
- Camshaft Bearings . . . . . Pressure
- Valve Lifters . . . . . Pressure
- Rocker Arms . . . . . Pressure
- Timing Gears
  - 4.1 Litre L6 . . . . . Nozzle sprayed
  - 5.0 & 5.7 Litre V8 . . . . . Centrifugally oiled from camshaft bearing
- Oil Pressure Sending Unit
  - Type . . . . . Electric
  - Actuation . . . . . Opens or closes circuit @ 13.79 to 41.37 kPa (2 to 6 PSI)
- Oil Filler
  - Cap . . . . . Positive seal
  - Location
    - 4.1 Litre L6 . . . . . Forward end of rocker cover
    - 5.0 & 5.7 Litre V8 . . . . . Rearward on left rocker cover

OIL PAN CAPACITIES
- Refill . . . . . 3.78 litres (4.0 quarts)
- Refill with Filter Change . . . . . 4.26 litres (4.5 qts.)

LUBRICANT GRADES AND TEMPERATURES
- -6.6°C & Above (20°F & Above) . . . 20W-20, 10W-30, 10W-40, 20W40, 20W50
- -17.7°C to + 15.5°C (0° to 60°F) 10W, 5W-30, 10W-30, 10W-40
- -6.6°C & Below (20°F & Below) 5W-20, 10W-30

OIL PUMP
- Type . . . . . Gear
- Regulator Valve . . . . . Opens between 275.8-310.3 kPa (40-45 PSI)
- Oil Pressure
  - 4.1 Litre L6 . . . . . 160-182 kPa (36-41 PSI) @ 2000 RPM
  - 5.0 & 5.7 Litre V8 . . . 142-178 kPa (32-40 PSI) @ 2000 RPM
- Intake Type . . . . . Stationary
- Capacity . . . . . 16.28 litres per minute (4.3 GPM) @ 2000 engine RPM

OIL FILTER
- Type . . . . . Full flow, throw away canister
- Location
  - 4.1 Litre L6 . . . . . Right front of engine
  - 5.0 & 5.7 Litre V8 . . . . . Left rear side of engine
- Capacity . . . . . 0.47 litres (1.0 pint)
- Bypass Valve . . . . . Opens between 62.05-75.73 kPa (9-11 PSI) drop in pressure

OIL DIPSTICK–LOCATION
- 4.1 Litre L6 . . . . . Right side rear of engine block
- 5.0 & 5.7 Litre V8 . . . Left side, rear of engine block

OIL PAN DRAIN PLUG
- Type . . . . . Hex head
- Location
  - 4.1 Litre L6 . . . . Front lower side of oil pan sump
  - 5.0 & 5.7 Litre V8 . Left lower face of oil pan sump
- Size of Hex Head . . . 21.84-22.22 mm (.860-.875)
- Thread . . . . . 1/2-20 UNF 2A
- Length . . . . . 20.6 mm (0.81 in.)
- Diameter . . . . . 10.41-10.92 mm (.410-.430 in.)

GENERAL
- Type . . . . . Pressure, vented through coolant recovery system
- Capacity with Heater
  - 4.1 Litre L6 . . . . . 13.5 litres 14.24 qts.)
  - 5.0 & 5.7 Litre V8 . . . . . 15.7 litres (16.60 qts.)

RADIATOR
- Make and Type . Harrison, crossflow, tube and center
- Core Constant and Thickness
  - Distance between fins
    - 4.1 Litre L6 . . . . . 5.6 mm (.22 in.)
    - 5.0 Litre V8
      - Coupe & Sedan . . . . . 6.3 mm (.25 in.)
      - Station Wagon . . . . . 5.6 mm (.22 in.)
    - 5.7 Litre V8 . . . . . 5.1 mm (.20 in.)
  - Core Thickness . . . . . 31.5 mm (1.24 in.)
  - Frontal Area . . . . . 3096 cm^2 (480 sq. in.)
  - Overflow . . . . . Separate coolant bottle

RADIATOR, HEAVY DUTY (RPO V01)
- Core Constant and Thickness
  - Distance between fins
    - 4.1 Litre L6 & 5.0 Litre V8 . . . 3.5 mm (.14 in.)
    - 5.7 Litre V8 . . . . . 4.1 mm (.16 in.)
  - Distance between tubes . . . . . 14.0 mm (.55 in.)
  - Core thickness
    - 4.1 Litre L6 & 5.0 Litre V8 . . . . 31.5 mm (1.24) 2 Row
    - 5.7 Litre V8 . . . . . 49.8 mm (1.96 in.) 3 Row
  - Frontal Area . . . . . 3096 cm^2 (480 sq. in.)
  - Overflow . . . . . Separate coolant bottle

RADIATOR CAP RELIEF VALVE
- Opens at . . . . . 103.4 kPa (15 PSI)

THERMOSTAT
- Type . . . . . Pellet
- Begins to open at . . . . . 89-92°C (192-198°F)
- Fully opened at . . . . . 108°C (227°F)

RADIATOR HOSE (I.D.)
- Outlet, Lower
  - (radiator to water pump) . . . . . 44.4 mm (1.75 in.)
- Inlet, Upper
  - (thermostat hsg. to radiator) . . . 38.1 mm (1.50 in.)

FAN
- Number of Blades . . . . . 4, staggered
- Diameter
  - 4.1 Litre L6 . . . . . 447.5 mm (17.62 in.)
  - 5.0 & 5.7 Litre V8 . . . . . 482.6 mm (19.0 in.)
- Fan Pulley Pitch Dia. . . . . 177.8 mm (7.0 in.)

BELT – CRANKSHAFT, FAN & GENERATOR
- Number Used . . . . . One
- Angle of "V" . . . . . 34-38°
- Pitch Line
  - 4.1 Litre L6 . . . . . 965 mm (38.0 in.)
  - 5.0 & 5.7 Litre V8
    - All states except California . 1130 mm (44.5 in.)
    - In California . . . . . 1194 mm (47.0 in.)
- Width
  - 4.1 Litre L6 . . . . . 11.18 mm (.440 in.)
  - 5.0 & 5.7 Litre V8 . . . . . 9.65 mm (.380 in.)

WATER PUMP
- Type . . . . . Centrifugal
- Capacity @ 2000 engine RPM
  - 4.1 Litre L6 . . . . . 79.5 litres (21 GPM)
  - 5.0 & 5.7 Litre V8 . . . . . 85.9 litres (22.7 GPM)
- Bearing . . . . . Permanently lubricated double row ball
- Drive . . . . . Fan belt
- Ratio (fan to crankshaft RPM)
  - 4.1 Litre L6 . . . . . 1.165:1
  - 5.0 & 5.7 Litre V8 . . . . . .949:1

DRAIN LOCATIONS
- Engine Block–Plug
  - 4.1 Litre L6 . . . . . Left side rear
  - 5.0 & 5.7 Litre V8 . . . . . Right and left center
- Radiator – Petcock
  - All . . . . . Lower left rear face

ELECTRICAL SYSTEM

SUPPLY SYSTEM
- BATTERY
  - Voltage Rating and Watts
    - 4.1 Litre L6 12-2500
    - 5.0 & 5.7 Litre V8 12-3200
  - Number of Cells 6
  - Cold Cranking Rating
    - 4.1 Litre L6 . . . . . -18°C (0°F) @ 350 amps; -29°C (-20°F) @ 210 amps; 60 minute reserve capacity
    - 5.0 & 5.7 Litre V8 . . . -18°C (0°F) @ 350 amps; -29°C (-20°F) @ 27 amps; 80 minute reserve capacity
    - Heavy Duty (RPO UA1) . . . . -18°C @ 465 amps; -19°C @ 375 amps; 125 minutes reserve @ 37°C
  - Terminal Grounded . . . . . Negative
  - Location . . Right side front of engine compartment

ALTERNATOR
- Type . . . . . Diode rectified
- Rating
  - Amps 37
  - Volts 12
- Drive . . . . . By fan belt
- Pulley Pitch Diameter . . . . . 61.7 mm (2.43 in.)
- Ratio (Gen. to engine RPM) 2.73:1

REGULATOR
- Type . . . . . Micro circuit unit; integral with alternator
- Voltage . . . . . 13.8-14.8 @ 29.4°C (85°F)

IGNITION SYSTEM
- Type . . . . . High Energy Ignition (H.E.I.)
- Distributors . . . . . Refer to chart below

COIL
- Type . . . . . Integral with distributor

SPARK PLUGS
- Type
  - 4.1 Litre L6 . . . . . R46TS
  - 5.0 & 5.7 Litre V8 . . . . . R45TS
- Thread Size . . . . . 14 mm (0.55 in.)
- Gap
  - 4.1 Litre L6 . . . . . 0.89 mm (.035 in.)
  - 5.0 & 5.7 Litre V8 . . . . . 1.14 mm (.045 in.)
- Torque . . . . . 33.9 N-m (25 lb. ft.)

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

STARTING SYSTEM
- STARTING MOTOR
- Rotation (Drive End View) . . . . . Clockwise
- Test Conditions . . . . . Engine at operating temp.
- No load test
  - Amps
    - 4.1 Litre L6 49-87
    - 5.0 & 5.7 Litre V8 70-99
  - Volts 10.6
  - RPM
    - 4.1 Litre L6 6200-10700
    - 5.0 & 5.7 Litre V8 7800-12000
- Motor Drive
  - Engagement . . . . . Solenoid
  - Pinion Tooth No. 9
  - Flywheel Tooth No.
    - 4.1 Litre L6 153
    - 5.0 & 5.7 Litre V8 168

DISTRIBUTORS	4.1 Litre L6 RPO L22		5.0 Litre V8 RPO LG3	5.7 Litre RPO LM1	
Model	1110715	(1110716)	1103282	1103353	(1103285)
Type	High Energy Ignition				
Centrifugal Advance begins @ RPM	0 @ 1000	0 @ 1000	0 @ 1000	0 @ 1100	0 @ 1200
Max. degress @ RPM	20 @ 4200	20 @ 4200	20 @ 3800	22 @ 4600	22 @ 4200
Vacuum advance begins @ kPa (In. Hg.)	0 @ 13.5 0 @ 3	0 @ 13.5 0 @ 3	0 @ 13.5 0 @ 3	0 @ 13.5 0 @ 3	0 @ 13.5 0 @ 3
Max. degrees @ kPa (In. Hg.)	24 @ 50.7 24 @ 15	15 @ 40.5 24 @ 12	20 @ 33.8 20 @ 10	20 @ 33.8 20 @ 10	10 @ 27.0 10 @ 8.0
Timing (initial design setting) Crankshaft deg. @ RPM with vacuum line disconnected	10° @ 550/D	6° @ 600/D	6° @ 500/D (6° @ 500/D)	6° @ 500/D	8° @ 500/D
Timing Mark Location	Torsional damper				

NOTE: Items bracketed ( ) are specific to California.

THREE-SPEED AUTOMATIC TRANSMISSION

Application			Sedans, Coupes & Station Wagons	Sedans & Coupes
General Data	Type		Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse	
	Selector Lever	Location	Steering column	
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump	
		Quadrant pattern	P-R-N-D-L2-L1	
	Parking Lock	Type	Locking pawl	
		Operation	Applied by selector lever through manual linkage	
	Method of cooling		Water	
	Flywheel assembly		Steel stamping with welded on ring gear	
	Oil pressure pump		Supplies hydraulic pressure from an engine driven gear type pump	
Hydraulic System	Type		Steel spool valve	
	Valves	Manual	Establishes range of transmission operation	
		Pressure regulator	Provides main line pressure	
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1	
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2	
	Modulator		Regulates line pressure with modulator oil pressure which varies with torque to transmission	
	Accumulator		Provides greater flexibility in sttaining desired shift quality for various engine requirements	
	Pressure @ Idle (a)	Drive	60	55
		L2	87	80
		L1	87	80
		Reverse	91	84
Converter Assembly	Pump (Drive member)		Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing	
	Turbine (Driven member)		Steel axial flow blades assembled between inner and outer steel shells	
	Stator assembly		Aluminum multivane type blades mounted on a one way (overrunning) roller clutch	
	Stall ratio		2.00	2.35
	Stall speed (RPM)		2110	
	Diameter (nominal)		298.4 mm (11.75 in.)	
Planetary Gear Set	Reaction carrier assembly		4 steel pinion gears	
	Output carrier assembly		4 steel pinion gears	
	Intermediate band		Circular steel with organic lining	
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1	2.74 - 1.57 - 1.00:1
		L2 (Low two)	2.52:1 - 1.52:1	2.74 - 1.57:1
		L1 (Low one)	2.52:1	2.74:1
		R (Reverse)	1.93:1	2.07:1
	Servo Unit		Piston with release spring and inner cushion spring	
Case	Material		Aluminum	
Clutches	Type		Four, multiple disk	Three, multiple disk
	Material	Drive plates	Steel with bonded organic facings	
		Driven plates	Flat steel	
	Forward clutch		5 each drive & driven plates	4 each drive & driven plates
	Direct clutch		4 each drive & driven plates	3 each drive & driven plates
	Intermediate clutch		3 each drive & driven plates	— — —
	Low & Reverse clutch		5 each drive & driven plates	4 each drive & driven plates
	Release spring		Radial row steel coil	
Torque Multiplication	Drive (maximum)		5.04:1 to 1.00	6.44:1 - 1.00
	Low 2		5.04:1 to 1.52	6.44:1 - 1.57
	Low 1		5.04:1 to 2.52	6.44:1 - 2.74
	Reverse		3.86:1 to 1.93	4.86:1 - 2.07
Governor	Type		Cross-axis centrifugal	
	Operation		Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves	
Lubricant	Type		Dexron II	
	Capacity	Dry	9.5 litres (20 pints)	9.5 litres (20 pints)
		Refill	3.8 litres (8 pints)	3.3 litres (7 pints)

(a) 600 RPM input