

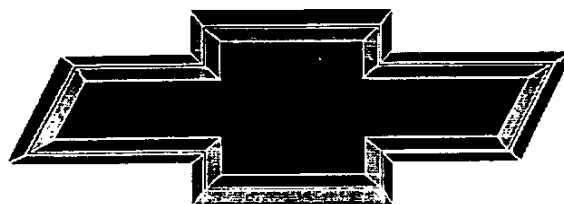
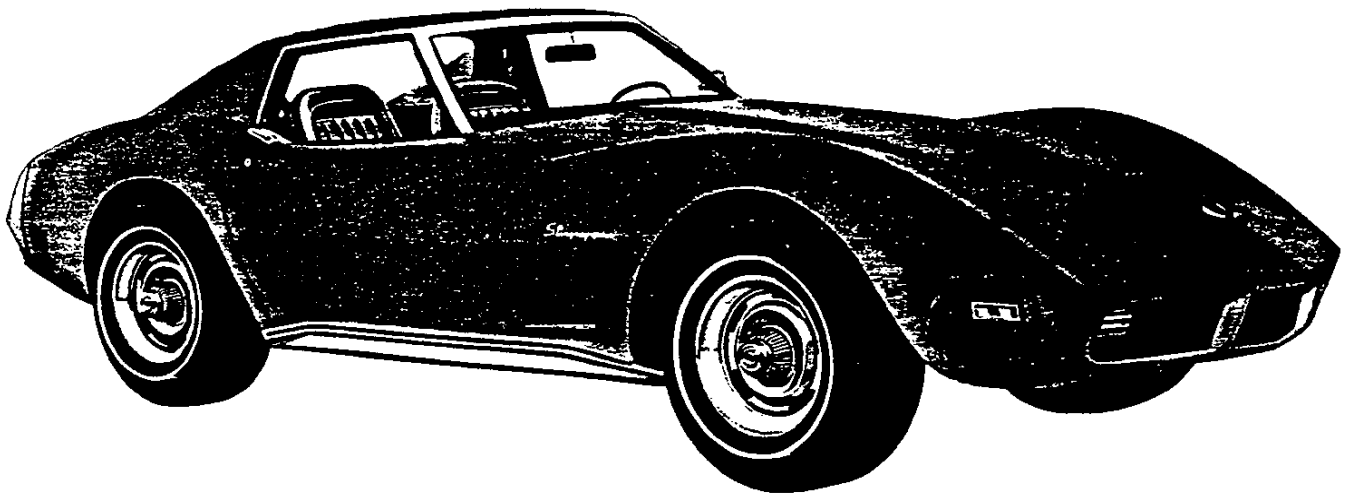




# 1974

# CORVETTE

## SPECIFICATIONS



GENUINE CHEVROLET™



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# General Motors 1974 VIN System

## Passenger Car

**General Motors 1974 Passenger V.I.N. System**

**EXAMPLE V.I.N.**  
1 N 6 9 R 4 S 1 1 0 0 0 0 1

**TRUCK V.I.N. DATA**  
GM  
REVERSE SIDE  
DIGIT NO. 1 2 3 4 5 6 7 8 9 10 11 12 13  
DIVISION CODE SERIES BODY TYPE ENGINE CODE PLANT CODE SERIAL NUMBER

**1 DIVISION CODE**  
1—Chevrolet  
2—Pontiac  
3—Oldsmobile  
4—Buick  
5—GMC Truck  
6—Cadillac  
7—GM of Canada

**2 SERIES (CHEVROLET)**  
C—Malibu  
E—El Camino  
B—Malibu Classic  
E—Lazuna Classic  
E—Lazuna Type S3  
G—Malibu Classic Estate  
M—Monte Carlo  
A—Biscayne  
K—Bel Air  
L—Impala  
N—Caprice Classic  
Caprice Estate  
B—Camaro  
S—Camaro Type LT  
W—Vega  
Z—Nova  
Y—Nova Custom  
Z—Corvette

**PONTIAC**  
B—LeMans Safari  
F—LeMans Sport Coo  
B—Lux LeMans  
E—Grand Am  
L—Catalina  
P—Parsienne Br  
N—Bonneville  
P—Grand Ville  
S—Firebird Std  
T—Firebird Sport  
D—Firebird Form  
V—Firebird Trans Am  
Y—Ventura  
Z—Ventura Custom

**3 BODY TYPE**  
05—Panel 2 Door  
11—Coupe 2 Door-Notchback  
15—Sta. Wagon 2 Door-2 Seat  
17—Coupe 2 Door-Hatchback  
22—Coupe 2 Door-Aux. Seat  
27—Coupe 2 Door-Pillar  
28—Sedan 4 Door-Hardtop Pillar  
33—Sed-4 Dr-Aux. Seat-Electra  
35—Sta. Wagon 4 Door 2 Seat  
37—Coupe 2 Door-Hardtop Pillar  
38—Sedan 4 Door-Hardtop  
40—Short Silt Cowl  
43—Sta. Wagon 4 Door 3 Seat  
47—Coupe 2 Door-Hardtop  
49—Sedan 4 Dr. Hardtop  
50—Short Silt Cowl  
57—Coupe 2 Door-Hardtop  
67—Coupe 2 Door-Convertible  
88—Sedan 4 Door-Pillar  
77—Coupe 2 Door-Hatchback  
80—Sedan-Pick Up-2 Door-2 Way TailGate  
87—Coupe 2 Door-Hardtop  
90—Short Silt Cowl

**4 ENGINE CODE**  
C.L.B. (N.M.P.) (C.B.) (E.L.) (D.V.) (S.I.) (M.)  
A 140 75 1 B S 1.7  
350 170 4 B S 2  
B 140 85 2 B S 1.7  
350 200 4 B D 2  
D 250 100 1 B S 1.2, 3  
E 122 140 1 E F S 1  
G 350 165 2 B D 4  
H 350 145 1 B S 1.2, 5.7  
350 150 2 B S 4  
350 160 1 B S 3  
J 350 175 4 B S 4  
350 195 1 B D 1  
K 350 185 4 B D 1.2, 7  
350 180 4 B S 3  
350 195 4 B D 4  
L 350 160 4 B S 1.2, 7  
M 350 155 2 B S 2  
350 200 4 B D 3  
N 350 170 2 B D 2  
P 400 190 1 B D 2.7  
455 175 1 B S 4  
R 400 190 1 B S 1.5  
400 175 2 B S 2.7  
472 220 1 B S 5  
455 170 2 B S 3  
455 190 2 B S 4  
S 400 200 4 B S 2.7  
500 235 4 B S 6  
T 350 245 1 B D 2  
400 275 1 B D 2.7  
455 210 1 B S 3.4  
V 400 140 4 B S 1  
455 270 4 B D 3.4  
W 455 230 1 B D 4  
455 255 1 B D 3  
X 455 215 1 B S 2.7  
455 230 4 B D 3  
455 245 4 B D 4  
Y 455 290 4 B D 2  
Z 454 235 4 B D 1.5  
455 250 4 B D 2.7  
Z 454 270 1 B D 1  
400 180 1 B S 2.7

**5 PLANT CODE**  
A—Lakewood GA  
B—Baltimore MD  
C—Southgate CA  
D—Dearborn CA  
E—London MI  
F—Flint (Chev) MI  
G—Framingham MA  
H—Toledo OH  
I—Islesville WI  
J—Livest MO  
K—Van Nuys CA  
L—Jansing MI  
M—Berkwood OH  
N—Pontiac (GM) MI  
O—Walker Run MI  
P—Detroit MI  
Q—Birmingham AL  
R—St. Louis MO  
S—Tarrytown NY  
T—Lordstown OH  
U—Oshawa, Ont.  
V—St. Therese, Que.

## Light Truck

**1974 LIGHT DUTY TRUCK V.I.N. DATA**

**2 CAB CHASSIS TYPE**  
C—96" OR 106" CONVENTIONAL CAB\*  
D—CHEVY VAN AND SPORT VAN  
VANDURA AND RALLY WAGON  
K—106" CONVENTIONAL CAB 4 x 4  
P—FORWARD CONTROL  
\*INCLUDING BLAZER, JIMMY AND SUBURBAN  
\*\*P Models only

**3 ENGINE CODE**  
C.I.D. N.H.P. CARB  
L 454 245\*\* 4 BBL  
N 110 75 2 BBL  
Q 250 100 1 BBL  
S 292 NA 1 PG  
T 292 130 1 BBL  
Y 350 145 2 BBL  
W 350 NA 1 PG  
Y 350 160 4 BBL  
Z 454 230 4 BBL

**4 SERIES**  
1—1/2 TON  
2—3/4 TON  
3—1 TON  
5—VAN & PANEL  
6—SPORT VAN, RALLY WAGON, & SUBURBAN  
7—MOTOR HOME CHASSIS  
8—BLAZER, JIMMY UTILITY

**5 BODY TYPE**  
2—CHASSIS COWL  
3—CHASSIS CAB  
4—CAB & PICK-UP BOX  
5—VAN & PANEL  
6—SPORT VAN, RALLY WAGON, & SUBURBAN  
7—MOTOR HOME CHASSIS  
8—BLAZER, JIMMY UTILITY

**General Motors Trucks V.I.N. System**

**EXAMPLE V.I.N.**  
T C E 6 1 4 1 1 0 0 0 0 1

**DIGIT NO.** 1 2 3 4 5 6 7 8 9 10 11 12 13  
DIVISION CODE CAB CHASSIS TYPE ENGINE CODE SERIES (GVW CLASS) BODY TYPE OR MODEL DESIGNATOR PLANT CODE SERIAL NUMBER LAST DIGIT OF MODEL YEAR

**1974 MEDIUM & HEAVY DUTY V.I.N. DATA**

**2 CAB CHASSIS TYPE**  
C—96" OR 106" CONVENTIONAL CAB\*  
D—54" ALUMINUM TILT TANDEM  
F—54" ALUMINUM TILT  
W—92" CONVENTIONAL CAB  
N—92" CONVENTIONAL CAB TANDEM  
M—96" OR 114"  
CONVENTIONAL CAB TANDEM  
P—FORWARD CONTROL  
R—SCHOOL BUS — REAR ENGINE  
S—SCHOOL BUS CHASSIS  
T—72" STEEL TILT CAB  
W—72" STEEL TILT CAB TANDEM

**3 ENGINE CODE**  
B—CUMMINS DIESEL — V8  
C—CUMMINS DIESEL — L6  
E—V8 GAS  
G—GMC V6 DIESEL  
H—6V71 DIESEL  
L—6—71 DIESEL  
M—GMC V6 GAS  
N—CUMMINS DIESEL — L6  
P—12V71 DIESEL  
S—SIX CYLINDER GAS  
V—6V53 DIESEL  
W—6V71 DIESEL

**4 SERIES**  
7—2 1/2 TON  
8—1 1/2 TON  
9—3 TON  
10—2 TON  
11—3 1/4 TON

**5 BODY TYPE**  
2—CHASSIS COWL  
3—CHASSIS CAB  
\* DIGITS 4 & 5 WILL BE USED AS A SERIES DESIGNATOR FOR 80 SERIES VEHICLES.

**7 PLANT CODE**  
A—Lakewood GA  
B—Baltimore MD  
F—Flint (Chev) MI  
I—Islesville WI  
J—Livest MO  
K—Van Nuys CA  
L—Jansing MI  
M—Berkwood OH  
N—Pontiac (GM) MI  
O—Walker Run MI  
P—Detroit MI  
Q—Birmingham AL  
R—St. Louis MO  
S—Tarrytown NY  
T—Lordstown OH  
U—Oshawa, Ont.  
V—St. Therese, Que.  
Y—Pontiac (GMC) MI  
Z—Fremont CA  
1—Oshawa, Ont.  
4—Scarborough, Ont.  
General Motors of Canada Ltd. Product Service Dept. (LITHO IN CANADA - 8/73)

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# 1974 CORVETTE

Production: 32,028 coupe, 5,474 convertible, 37,502 total.

## 1974 NUMBERS

**Vehicle:** 1Z37J4S400001 through 1Z37J4S437502

- For convertibles, third digit is a 6.
- Fifth digit varies as follows: J=350ci, 195hp;  
T=350ci, 250hp; Z=454ci, 270hp.

**Suffix:** CKZ: 350ci, 195hp, mt      CLR: 350ci, 250hp, mt  
CLA: 350ci, 195hp, at      CLS: 350ci, 250hp, mt, ce  
CLB: 350ci, 195hp, mt, ce      CWM: 454ci, 270hp, mt  
CLC: 350ci, 195hp, at, ce      CWR: 454ci, 270hp, at  
CLD: 350ci, 250hp, at      CWS: 454ci, 270hp, at, ce  
CLH: 350ci, 250hp, at, ce      CWT: 454ci, 270hp, mt, ce

**Block:** 3970010: 350ci, 195hp, 250hp  
3999289: 454ci, 270hp

**Head:** 333882: 350ci, 195hp, 250hp  
336781: 454ci, 270hp

**Carburetor:** Rochester Q-jet #7044201 & 7044221: 454ci, 270hp, mt  
Rochester Q-jet #7044202 & 7044206: 350ci, 195hp, at  
Rochester Q-jet #7044203 & 7044207: 350ci, 195hp, mt  
Rochester Q-jet #7044208 & 7044210: 350ci, 250hp, at  
Rochester Q-jet #7044209 & 7044211: 350ci, 250hp, mt  
Rochester Q-jet #7044223 & 7044225: 454ci, 270hp, at  
Rochester Q-jet #7044502: 350ci, 195hp, at, ce  
Rochester Q-jet #7044503: 350ci, 195hp, mt, ce  
Rochester Q-jet #7044505: 454ci, 270hp, at, ce  
Rochester Q-jet #7044506: 350ci, 250hp, at, ce  
Rochester Q-jet #7044507: 350ci, 250hp, mt, ce

**Distributor:** 1112114: 454ci, 270hp      1112850: 350ci, 195hp, mt, ce  
1112150: 350ci, 250hp      1112851: 350ci, 195hp, at, ce  
1112247: 350ci, 195hp      1112853: 350ci, 250hp, at  
1112544: 350ci, 195hp, mt, ce

**Alternator:** 1100544: All with ac      1100950: All without ac

**Ending Vehicle:** Aug 73: 01250      Jan 74: 16184      Jun 74: 33257  
Sep 73: 04111      Feb 74: 19258      Jul 74: 33257  
Oct 73: 07605      Mar 74: 22367      Aug 74: 37502  
Nov 73: 10813      Apr 74: 25751  
Dec 73: 12830      May 74: 29602

**Abbreviations:** ac=air conditioning, at=automatic transmission, ce=california emissions, ci=cubic inch, hp=horsepower, mt>manual transmission.

## 1974 FACTS

- The transition to "soft" bumpers was completed in 1974 with the new body-color rear bumpers. The urethane plastic skin had built-in recesses for the license plate and taillights, and a vertical center seam. The skin covered an aluminum impact bar mounted on two telescopic brackets.
- These were the last Corvettes without catalytic converters. Fuel requirement was 91-octane leaded or low-lead regular.
- Radiators were redesigned for more efficient cooling at low speeds.
- Shoulder belts on 1974 models were integrated with the lap belts. Also, the locking mechanism was changed from a pull-rate type to a swinging-weight type activated by the car's deceleration.
- The alarm activator moved from the rear panel to the driver-side fender.
- Magnets were added to power steering units to attract debris in the fluid.
- The inside rearview mirror increased in width to ten inches.

## 1974 OPTIONS

RPO #	DESCRIPTION	QTY	RETAIL \$
1YZ37	Base Corvette Sport Coupe .....	32,028	\$6,001.50
1YZ67	Base Corvette Convertible .....	5,474	5,765.50
—	Custom Interior Trim .....	19,959	154.00
A31	Power Windows .....	23,940	86.00
A85	Custom Shoulder Belts (std with coupe) .....	618	41.00
C07	Auxiliary Hardtop (for convertible) .....	2,612	267.00
C08	Vinyl-Covered Auxiliary Hardtop .....	367	329.00
C50	Rear Window Defroster .....	9,322	43.00
C60	Air Conditioning .....	29,397	467.00
FE7	Gymkhana Suspension .....	1,905	7.00
—	Optional Rear Axle Ratios .....	1,219	12.00
J50	Power Brakes .....	33,306	49.00
LS4	454ci. 270hp Engine .....	3,494	250.00
L82	350ci. 250hp Engine .....	6,690	299.00
M21	4-Speed Manual Trans. close ratio .....	3,494	0.00
M40	Turbo Hydra-Matic Automatic Transmission ...	25,146	0.00
N37	Tilt-Telescopic Steering Column .....	27,700	82.00
N41	Power Steering .....	35,944	117.00
QRM	White Stripe Steel Belted Tires. GR70x15 ....	9,140	32.00
QRZ	White Letter Steel Belted Tires. GR70x15 ..	24,102	45.00
U05	Dual Horns .....	5,258	4.00
U58	AM-FM Radio. stereo .....	19,581	276.00
U69	AM-FM Radio .....	17,374	173.00
UA1	Heavy Duty Battery (std with LS4) .....	9,169	15.00
UF1	Map Light (on rearview mirror) .....	16,101	5.00
YF5	California Emission Test .....	—	20.00
Z07	Off Road Suspension and Brake Package .....	47	400.00

• A 350ci. 195hp engine, 4-speed wide-ratio manual transmission, soft top (conv) or T-tops (cpe), and vinyl interior were included in the base price.

• YJ8 cast aluminum wheels appeared on early 1974 option lists, but Chevrolet records indicate none were sold.

• Custom interior included leather seat trim, wood-grain accents and lower carpet trim on interior door panels, wood-grain accents on console, and special cut-pile carpeting.

• M40 was no cost with the base 350ci. 195hp engine, but cost \$103 (\$97 early in production) with LS4 or L82. It was not available with Z07.

• The Z07 package was available only with L82 and LS4 engines, and required M21. It included special front and rear suspension and heavy-duty front and rear power brakes.

• The FE7 gymkhana suspension included stiffer front sway bar and stiffer springs. It was included with Z07. There were no order restrictions.

• This was the last year for 454ci "big block" engines in Corvettes.

## 1974 COLORS

CODE	EXTERIOR	SOFT TOP	WHEELS	INTERIORS
910	Classic White	Bk-W	Silver	Bk-Db-Dr-N-S-Si
914	Silver Mist	Bk-W	Silver	Bk-Db-Dr-S-Si
917	Corvette Gray	Bk-W	Silver	Bk-Db-Dr-N-S-Si
922	Corvette Med Blue	Bk-W	Silver	Bk-Db-Si
948	Dark Green	Bk-W	Silver	Bk-N-S-Si
956	Bright Yellow	Bk-W	Silver	Bk-N-S-Si
968	Dark Brown	Bk-W	Silver	Bk-N-S-Si
974	Medium Red	Bk-W	Silver	Bk-Dr-N-S-Si
976	Mille Miglia Red	Bk-W	Silver	Bk-Dr-N-S-Si
980	Corvette Orange	Bk-W	Silver	Bk-N-S-Si

• Suggested interiors shown. Other combinations were possible.

**Interior Codes:** 400=Bk/V, 404=Bk/L, 406=Si/V, 407=Si/L, 408=N/V, 413=Db/V, 415=S/V, 416=S/L, 425=Dr/V.

**Abbreviations:** Bk=Black, Db=Dark Blue, Dr=Dark Red, L=Leather, N=Neutral, S=Saddle, Si=Silver, V=Vinyl W=White.

# The Corvette Black Book

1963-1993

October 1992

Published by  
**Michael Bruce Associates, Inc.**  
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 Powell, Ohio 43065



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### VEHICLE DIMENSIONS BEL AIR, IMPALA, CAPRICE CLASSIC, CAPRICE ESTATE

Model	Sedan	2-Door Sport Coupe	Convertible Coupe	Station Wagon
Length Overall . . . . .	222.6"	222.6"	222.6"	228.1"
Width Overall (Body) . . . . .	79.5"	79.5"	79.5"	79.5"
Height Overall . . . . .	54.5"	53.7"	53.5"	57.5"
Wheelbase . . . . .	121.5"	121.5"	121.5"	125.0"
Tread-Front . . . . .	64.1"	64.1"	64.1"	64.1"
Tread-Rear . . . . .	64.0"	64.0"	64.0"	64.0"
Curb Weight: Approximately 4318 lbs. 4-Door Sedan.				

### MALIBU, MALIBU CLASSIC, LAGUNA MALIBU CLASSIC ESTATE, EL CAMINO

Model	Sedan	2-Door Sport Coupe	Station Wagon	Sedan Pickup
Length Overall . . . . .	210.3"	206.3"	216.2"	213.4"
Width Overall (Body) . . . . .	76.6"	76.6"	76.6"	76.6"
Height Overall . . . . .	53.6"	53.1"	55.7"	55.2"
Wheelbase . . . . .	116.0"	112.0"	116.0"	116.0"
Tread-Front . . . . .	61.5"	61.5"	61.5"	59.3"*
Tread-Rear . . . . .	60.7"	60.7"	60.7"	59.2"*
Curb Weight: Approximately 3758 lbs. 4-Door Sedan with L-6 Engine 3905 lbs. with V-8 Engine.				

### MONTE CARLO

### CAMARO

### NOVA

Model	2-Door Sport Coupe	Model	2-Door Sport Coupe	Model	4-Door Sedan	2-Door Sport Coupe
Length Overall . . . . .	213.1"	Length Overall . . . . .	195.4"	Length Overall . . . . .	196.6"	196.6"
Width Overall (Body) . . . . .	77.6"	Width Overall (Body) . . . . .	74.4"	Width Overall (Body) . . . . .	72.4"	72.4"
Height Overall . . . . .	52.7"	Height Overall . . . . .	49.1"	Height Overall . . . . .	53.9"	52.5"
Wheelbase . . . . .	116.0"	Wheelbase . . . . .	108.0"	Wheelbase . . . . .	111.0"	111.0"
Tread-Front . . . . .	61.9"	Tread-Front . . . . .	61.3"	Tread-Front . . . . .	59.8"	59.8"
Tread-Rear . . . . .	61.1"	Tread-Rear . . . . .	60.0"	Tread-Rear . . . . .	59.6"	59.6"
Weight: Coupe 3814 lbs.		Weight: With L6 Eng. 3399 lbs. With V-8 Eng. 3627 lbs.		Curb Weight: Approximately 3300 lbs. with L-6 Engine; 3443 lbs. with V-8 Engine.		

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**MODEL IDENTIFICATION**

CAR LINE	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS. OR SEATS
CHEVROLET	Bel Air	4-Dr. Sedan	1BK69	6
		4-Dr. Station Wagon	1BK35	2-Seat
		4-Dr. Station Wagon	1BK45	3-Seat
	Impala	4-Dr. Sedan	1BL69	6
		4-Dr. Sport Sedan	1BL39	6
		2-Dr. Sport Coupe	1BL57	6
		2-Dr. Custom Coupe	1BL47	6
		4-Dr. Station Wagon	1BL35	2-Seat
		4-Dr. Station Wagon	1BL45	3-Seat
		4-Dr. Sedan	1BN69	6
	Caprice Classic	2-Dr. Sport Coupe	1BN47	6
		4-Dr. Sport Sedan	1BN39	6
		2-Dr. Convertible	1BN67	6
	Caprice Estate	4-Dr. Station Wagon	1BN35	2-Seat
		4-Dr. Station Wagon	1BN45	3-Seat
CHEVELLE	Malibu	4-Dr. Sport Sedan	1AC29	6
		2-Dr. Sport Coupe	1AC37	6
		4-Dr. Station Wagon	1AC35	2-Seat*
	Malibu Classic	4-Dr. Sport Sedan	1AD29	6
		2-Dr. Sport Coupe	1AD37	6
		4-Dr. Station Wagon	1AD35	2-Seat*
	Malibu Classic Estate	4-Dr. Station Wagon	1AG35	2-Seat*
	Laguna "Type S-3"	2-Dr. Sport Coupe	1AE37	5**
	El Camino	2-Dr. Pickup Delivery	1AC80	3
	El Camino Classic	2-Dr. Pickup Delivery	1AD80	3
MONTE CARLO	Monte Carlo S	2-Dr. Sport Coupe	1AH57	6
NOVA	Nova	4-Dr. Sedan	1XX69	6
		2-Dr. Coupe	1XX27	6
		2-Dr. Hatchback Coupe	1XX17	6
	Nova Custom	4-Dr. Sedan	1XY69	6
		2-Dr. Coupe	1XY27	6
2-Dr. Hatchback Coupe	1XY17	6		
CAMARO	Camaro	2-Dr. Sport Coupe	1FQ87	4
	Camaro "Type LT"	2-Dr. Sport Coupe	1FS87	4
CORVETTE	Corvette	2-Dr. Sport Coupe	1Y237	2
		2-Dr. Convertible	1Y267	2

\*Third seat available as RPO on V-8 equipped station wagon

## 0-4 GENERAL INFORMATION AND LUBRICATION

ENGINE CODE LETTER	DISPLACEMENT CU. IN.	TYPE	CARBURETOR
D	250	L-6	1-BBL
H	350	V-8	2-BBL
J	350	V-8	4-BBL (DUAL EXH.)
K	350	V-8	4-BBL (DUAL EXH.)
R	400	V-8	2-BBL
T	350	V-8	4-BBL (DUAL EXH.)
X	454	V-8	4-BBL
Y	454	V-8	4-BBL (DUAL EXH.)
Z	454	V-8	4-BBL (DUAL EXH.)

## VEHICLE COMPONENT SERIAL AND UNIT NUMBER LOCATION

Component	Model	Location
Vehicle Identification Number Plate	All except Corvette Corvette	Top of instrument panel left, front Inside left windshield pillar
Body Number, Trim and Paint Plate	1B000 1A000 1X000 1F000 1Y000	Upper right-hand side of dash panel Upper left-hand side of dash panel Upper left-hand side of dash panel Upper left-hand side of dash panel Upper left-hand door hinge pillar
Engine Transmission Identification Code	6 Cylinder  8 Cylinder 3-Speed (Muncie) 4-Speed (Muncie) 3-4 Speed (Saginaw) Turbo Hydra-Matic 250, 350 Turbo Hydra-Matic 400	On pad at right-hand side of cylinder block at rear of distributor  On pad at front, right-hand side of cylinder block On boss above filler plug On right side of case at lower rear of cover flange On lower right side of case adjacent to rear of cover Right vertical surface of oil pan  On blue tag right side of transmission
Vehicle Identification Number	Turbo Hydra-Matic 250 Turbo Hydra-Matic 350 Turbo Hydra-Matic 375  6 and 8 Cylinder Engines	On boss lower right side of converter housing  On boss left side to rear of manual control lever  Same as engine identification code
Rear Axle Number	All except Corvette Corvette	On right or left axle tube adjacent to carrier On bottom surface of carrier at cover mounting flange
Delcotron	All	On top drive end frame
Starter	All	Stamped on outer case, toward rear
Battery	All	On cell cover segment, top of battery

**VEHICLE DIMENSIONS**

**VEHICLE DIMENSIONS—CORVETTE**

Model	Convertible	Sport Coupe
Length Overall . . . . .	185.5"	
Width Overall (Body) . . .	69.0"	
Height Overall . . . . .	47.8"	47.7"
Wheelbase . . . . .	98.0"	
Tread-Front . . . . .	58.7"	
Tread-Rear . . . . .	59.5"	
Curb Weight: 3429 lbs. Convertible 3422 lbs. Sport Coupe with Base V-8		

The prefixes on certain units identify the plant in which the unit was manufactured, and thereby permits proper follow-up of the plant involved to get corrections made when necessary.

**ENGINE AND TRANSMISSION NUMBER**

The Vehicle Identification Number is stamped on the engine and transmission of each vehicle (see chart for location).

Example:

<u>Los Angeles</u>	<u>VIN Sequence</u>
1B000 Models (First Vehicle) . . . . .	<u>000001</u>
1A000 Models (First Vehicle) . . . . .	<u>100001</u>

**SERIAL NUMBERS**

For the convenience of servicemen when writing up certain business papers, such as Warranty Claims Product Information Reports, or reporting product failures in any way, we are showing on a chart, the location of various unit numbers. These unit numbers and their prefixes and suffixes are necessary on these papers for various reasons—such as accounting, follow-up on production, etc.

At multi-car plants where more than one Chevrolet series is produced, the VIN sequence numbers will be staggered to eliminate duplication of component identification numbers.

Manufacturer Identity	Series Code Letter	Body Style	Engine Model	Model Year	Assembly Plant	Unit Number
①	②	③	④	⑤	⑥	⑦
1	N	47	R	4	F	100025

1. Manufacturer's identity number assigned to all Chevrolet built vehicles.
2. Series (See Model Identification in this section.)
3. Body Style (See Model Identification in this section.)
4. Engine Code (See Table 1).
5. Last number of model year (1974).
6. F—Flint.
7. Unit numbering will start at 000001 or 100001 depending on the Vehicle.

## KEYS AND LOCKS

Four keys (two rectangular head and two oval head) are provided with each vehicle. The rectangular head key operates the ignition switch only. The oval-head key operates all other locks and arms the anti-theft alarm on Corvette).

### PUSHING, TO START ENGINE

**CAUTION:** *Towing car to start is not recommended due to the possibility of the disabled car accelerating into tow car.*

## AUTOMATIC TRANSMISSION

Do not attempt to start the engine by pushing the car. Should the battery become discharged, it will be necessary to use an auxiliary battery with jumper cables to start the engine.

### Jump Starting with Auxiliary (Booster) Battery

The following procedure is for use only under the following conditions. Departures from these conditions and procedures, could result in: (1) serious personal injury (particularly to eyes) or property damage from such things as battery explosion, battery acid or electrical burns, or (2) damage to electronic components in either vehicle. If all the conditions cannot be met, or if you are uncertain about them, we strongly recommend for your safety and that of your car that you leave the starting to a competent mechanic.

- The battery in the other vehicle must be of the same nominal voltage, 12 volts, and must be negatively grounded. (All General Motors cars, light trucks (10,000 GVWR and under), and motor homes use 12-volt, negatively grounded electrical systems and can be used to jump start one another.) The nominal voltage and grounding of the other vehicle's battery may be determined by checking the specifications in its owner's manual. Use of a booster battery of a higher nominal voltage, or which is positively grounded may result in serious personal injury or property damage.

**CAUTION:** *Never expose battery to open flame or electric spark—battery action generates hydrogen gas which is flammable and explosive. Don't allow battery fluid to contact eyes, skin, fabrics, or painted surfaces—fluid is a sulfuric acid solution which could cause serious personal injury or property damage. Flush any contacted protection such as industrial safety spectacles or goggles when working on or near battery. Remove rings, metal watch bands and other metal jewelry before jump starting or working around a battery. Be careful in using metal tools and equipment. If such metal should contact the positive battery terminal (or*

*metal in contact with it) and any other metal on the car, short circuit may occur which could cause personal injury. Batteries and battery acid should always be kept out of reach of children.*

### To Jump Start:

1. Position the two vehicles so they are NOT touching. Set parking brake and place automatic transmission in "PARK" (neutral for manual transmission) in each vehicle. Also turn off lights, heater and all other unnecessary electrical loads.
2. Remove vent caps from both the booster and the discharged batteries. Lay a cloth over the open vent wells of each battery. These two actions help reduce the explosion hazard always present in either battery when connecting "live" booster batteries to "dead" batteries.
3. Attach one end of one jumper cable to the positive terminal of the booster battery (identified by a red color, "+" or "P" on the battery case, post or clamp) and the other end of same cable to positive terminal of discharged battery.
4. Attach one end of the remaining negative cable to the negative terminal (black color, "-" or "N") of the booster battery, and the other end to the engine lift bracket on 6 cylinder models and delcotron mounting bracket for V-8 models on 1974 Chevrolet products (do not connect directly to negative post of dead battery)—taking care that clamps from one cable do not inadvertently touch the clamps on the other cable. Do not lean over the battery when making this connection.
5. Start the engine in the vehicle that is providing the jump start (if it was not running). Let run a few minutes, then start the engine in the car with the discharged battery.
6. Reverse the above sequence exactly when removing the jumper cables. Reinstall vent caps and dispose in a safe manner any cloths used to cover vent wells, as the cloths may have corrosive acid on them.

## MANUAL TRANSMISSION

When a push start is necessary turn off all electrical loads such as heaters, radio, and if possible, lights, turn on the key, depress the clutch, and place the shift lever in high gear. Release the clutch when your speed reaches 10 to 15 miles per hour.

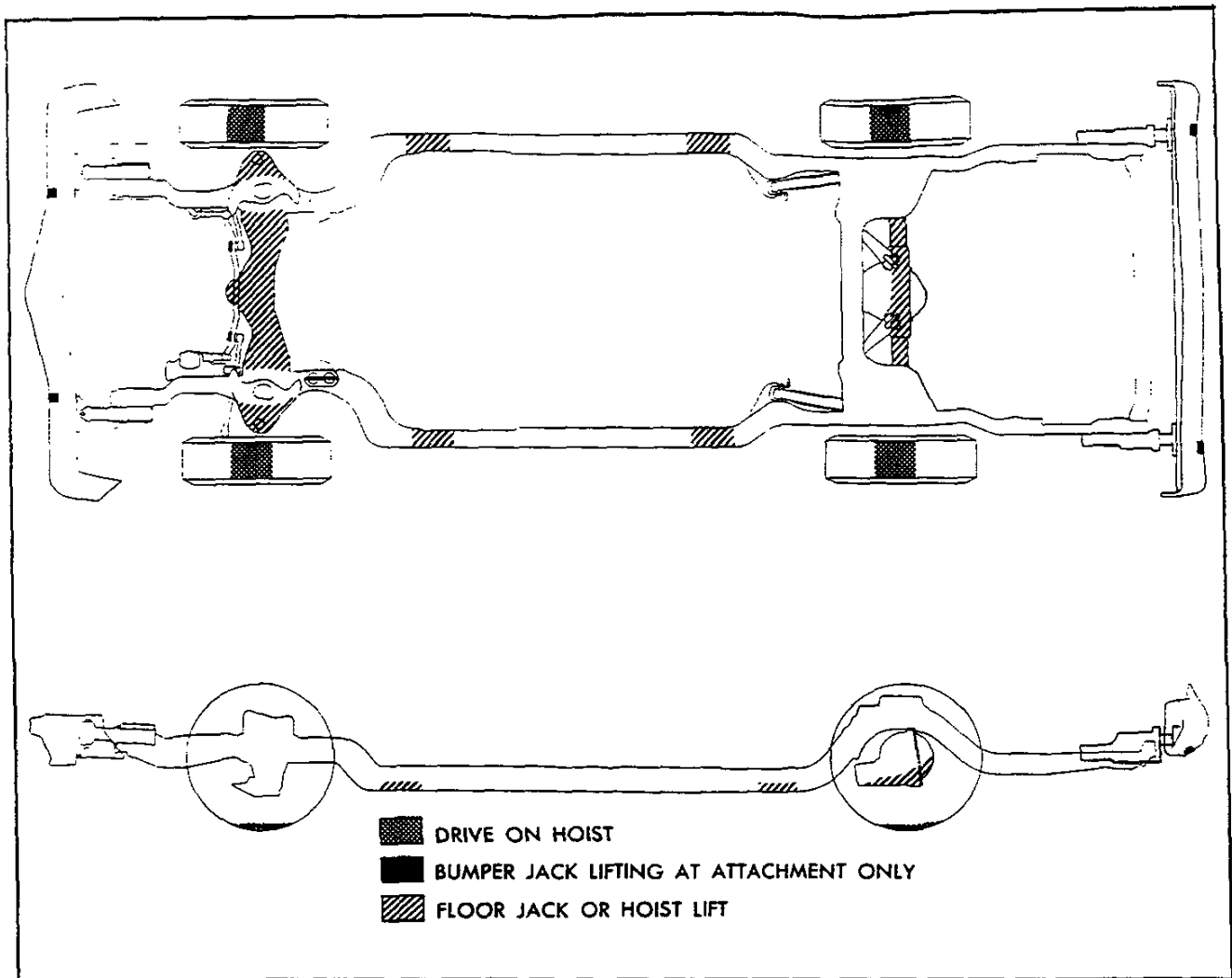


Fig. 1—Vehicle Lifting Points—Chevrolet

### TOWING VEHICLES

The car may be towed safely on its rear wheels with the (selector lever in "N" (Neutral) position at speeds of 35 miles per hour or less under most conditions.

However, the drive shaft must be disconnected or the car towed on its front wheels if 1) Tow speeds in excess of 35 MPH are necessary, 2) Car must be towed for extended distances (over 50 miles) or, 3) Transmission is not operating properly. If car is towed on its front wheels, the steering wheel should be secured to maintain a straight ahead position.

### LIFTING VEHICLES

Many dealer service facilities and service stations are now equipped with a type of automotive hoist which must bear upon some part of the frame in order to lift the vehicle. In Figures 1 through 5 the shaded areas indicate areas recommended for hoist contact.

**NOTE:** The vehicle should never be lifted by the rear lower control arms.

### LIFTING THE CORVETTE

Shaded areas in Figure 5 indicate recommended points for hoist or jack contact. When using a single post hoist place hoist on frame side rail behind kickup at front and forward of #3 body mount at rear. When using a twin-post hoist, two methods are recommended.

- a. If no rear axle or suspension work is contemplated, use either suspension adapters or drive-on adapters at the front, and drive-in adapters at the rear. If a need for axle work develops, use jack stands beneath the frame side rails on each side and lower rear post.
- b. If rear axle work is contemplated, use either suspension adapters or drive-on adapters at the front and frame lift adapters as shown in Figure 6. If frame lift adapters are not available, use jack stands.

**NOTE:** Wooden blocks, bolted to steel beam shown in Figure 6 are necessary to allow beam to clear exhaust system.

0-10 GENERAL INFORMATION AND LUBRICATION

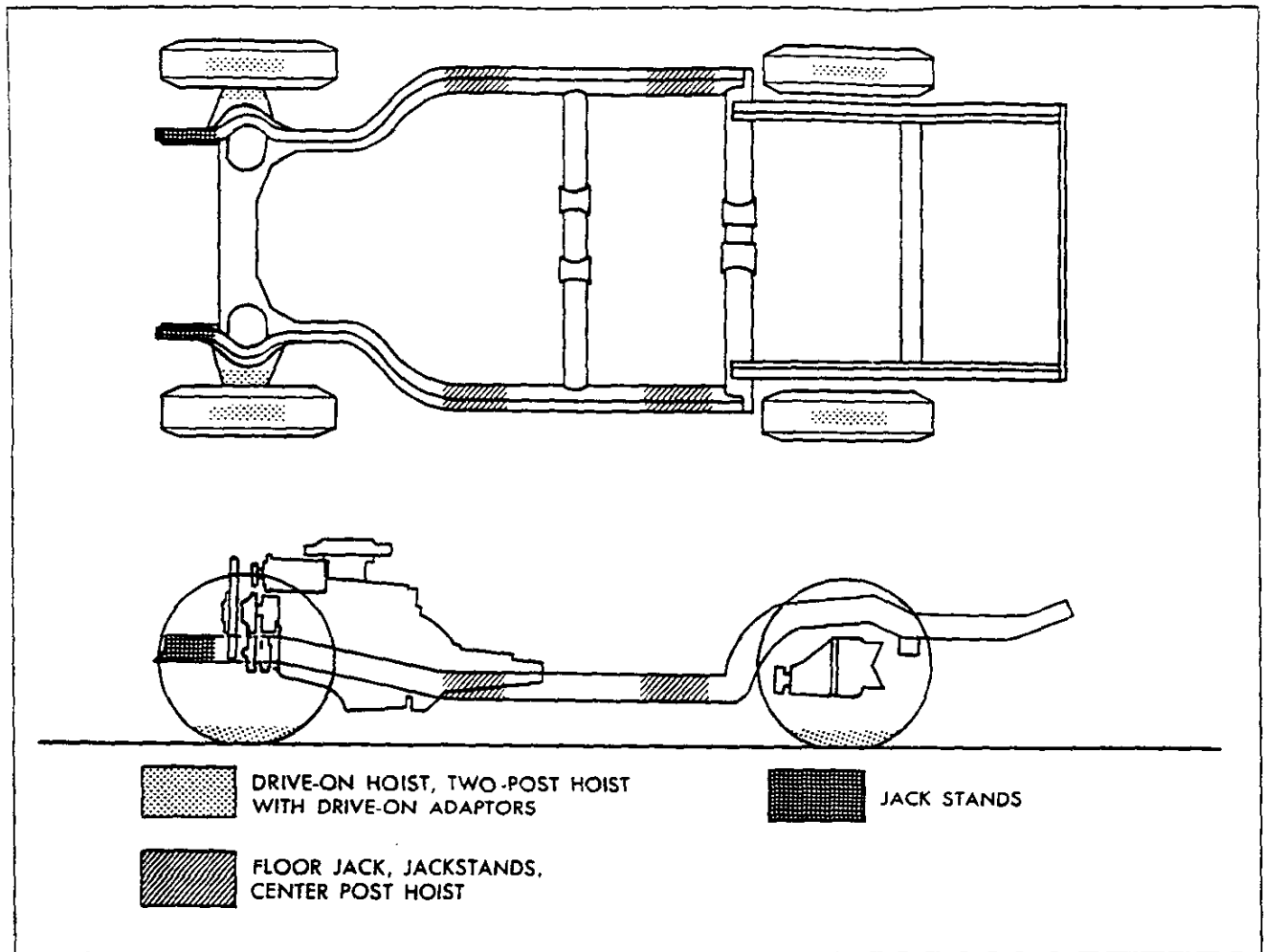


Fig. 5—Vehicle Lifting Points—Corvette

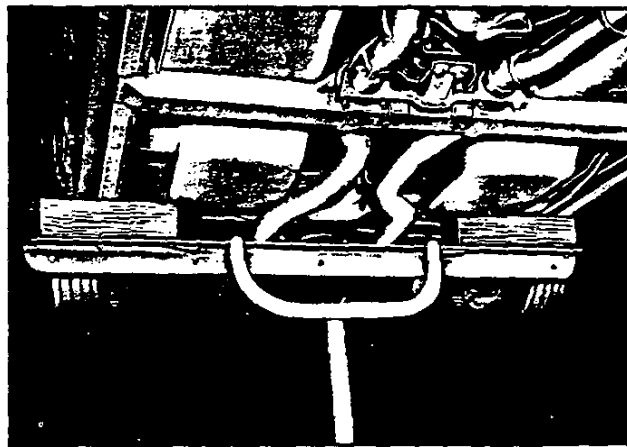


Fig. 6—Frame Lift Adapters—Corvette



## LUBRICATION

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The time or mileage intervals on the following pages are intended as a general guide for establishing regular maintenance and lubrication periods for your Chevrolet built vehicle. Sustained heavy duty or high speed operations or operation under adverse conditions may necessitate more frequent servicing.

## ENGINE

## CRANKCASE CAPACITY

6 Cylinder.... 4 qt. (US meas.) 3.25 qt. Imperial meas.

8 Cylinder (350).... 4 qt. (US meas.) 3.25 qt. Imperial meas.

8 Cylinder (400).... 4 qt. (US meas.) 3.25 qt. Imperial meas.

8 Cylinder (454).... 4 qt. (US meas.) 3.25 qt. Imperial meas.

With filter change; add 1 qt. (US measure) .75 qt. Imperial measure for 6 and 8 Cyl. engines.

## LUBRICATION

Crankcase oil should be selected to give the best performance under the climatic and driving conditions in the territory in which the vehicle is driven.

During warm or hot weather, an oil which will provide adequate lubrication under high operating temperatures is required.

During the colder months of the year, an oil which will permit easy starting at the lowest atmospheric temperature likely to be encountered, should be used.

When the crankcase is drained and refilled, the crankcase oil should be selected, not on the basis of the

existing temperature at the time of the change, but on the lowest temperature anticipated for the period during which the oil is to be used.

Unless the crankcase oil is selected on the basis of viscosity or fluidity of the anticipated temperature, difficulty in starting will be experienced at each sudden drop in temperature.

## Engine Oil and Filter Recommendations

- Use only SE engine oil.
- Change oil each 4 months or 6,000 miles. If more than 6,000 miles are driven in a 4-month period, change oil each 6,000 miles.
- Change oil each 2 months or 3,000 miles, whichever occurs first, under the following conditions:
  - driving in dusty conditions.
  - trailer pulling.
  - extensive idling.
  - short-trip operation at freezing temperatures (engine not thoroughly warmed-up).
- Operation in dust storms may require an immediate oil change.
- Replace the oil filter at the first oil change, and every second oil change thereafter. AC oil filters provide excellent engine protection.

The above recommendations apply to the first change as well as subsequent oil changes. The oil change for your Chevrolet engine is based on the use of SE oils and quality oil filters. Oil change intervals longer than those listed above will seriously reduce engine life and may affect Chevrolet obligation under the provisions of the New Vehicle Warranty.

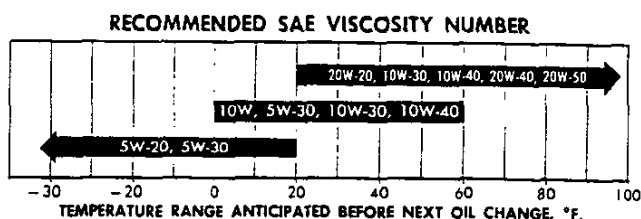
## 0-12 GENERAL INFORMATION AND LUBRICATION

A high quality SE oil was installed in your engine at the factory. It is not necessary to change this factory-installed oil prior to the recommended normal change period. However, check the oil level more frequently during the break in period since higher oil consumption is normal until the piston rings become seated.

**NOTE:** Non-detergent and other low quality oils are specifically not recommended. Only the use of SE engine oils and proper oil and filter change intervals assure you of continued reliability and performance from your Chevrolet engine.

### Checking Oil Level

The engine oil should be maintained at proper level. The best time to check it is before operating the engine or as the last step in a fuel stop. This will allow the oil accumulation in the engine to drain back in the crankcase. To check the level, remove the oil gauge rod (dip stick), wipe it clean and reinsert it firmly for an accurate reading. The oil gauge rod is marked "FULL" and "ADD". The oil level should be maintained in the safety margin, neither going above the "FULL" line nor below the "ADD" line. Reseat the gauge firmly after taking the reading.



- 5W-20 oil is not recommended for sustained high speed driving.
- SAE 30 oils may be used at temperatures above 40°F.
- SAE 5W-30 Viscosity oil is recommended for all seasons in vehicles normally operated in Canada.

**NOTE:** The oil gauge rod is also marked "Use SE Engine Oil" as a reminder to use only SE oils.

### Supplemental Engine Oil Additives

The regular use of supplemental additives is specifically not recommended and will increase operating costs. However, supplemental additives are available that can effectively and economically solve certain specific problems without causing other difficulties. For example, if higher detergency is required to reduce varnish and sludge deposits resulting from some unusual operational difficulty, a thoroughly tested and approved additive - "Super Engine Oil Supplement" is available at your Chevrolet dealer. In the event of an operational problem, consult your dealer for advice before using supplemental additives.

### Types of Oil

The Letter Designation "SE" has been established to correspond with the requirements of GM 6136-M as revised. "SE" engine oils will be better quality and perform better than those identified with "SA" through "SD" designations, and are recommended for all Chevrolet passenger cars regardless of model year and previous engine oil quality recommendations.

The letter designations for passenger car service and their relationship to GM specifications are described on the following chart.

### POSITIVE CRANKCASE VENTILATION VALVE

Every 24,000 miles or 24 months the valve should be replaced. Connecting hoses, fittings and flame arrestor should be cleaned. At every oil change the system should be tested for proper function and serviced, if necessary.

### AIR INJECTION REACTOR SYSTEM (A.I.R.)

#### CONTROLLED COMBUSTION SYSTEM (C.C.S.)

The Air Injection Reactor system should have the drive belt inspected for wear and tension every 12 months or 12,000 miles, whichever occurs first. In addition, complete effectiveness of either system, as well as full power and performance, depends upon idle speed, ignition timing, and idle fuel mixture being set according to specifications. A quality tune-up which includes these adjustments should be performed periodically to assure normal engine efficiency, operation and performance.

### EXHAUST GAS RECIRCULATION SYSTEM (E.G.R.)

At 12-month/12,000 mile intervals when operating with leaded fuels or at 24-month/24,000 mile intervals when using unleaded fuels remove, inspect, and if deposits

### ENGINE OIL PERFORMANCE AND ENGINE SERVICE CLASSIFICATION SYSTEM CHEVROLET PASSENGER CARS

Letter Designation	GM Specification	Applicable Chevrolet Model Year
SA	None	None
SB	None	None
SC	GM 4745-M	1967 and Prior Years
SD	GM 6041-M (1968 Release)	1970 and Prior Years
SE	GM 6136-M 1972	1974 and Prior Years

exist, clean the EGR valve. Inspect the EGR passages in the inlet manifold and clean as required. A damaged EGR valve must be repaired or replaced.

### GM EVAPORATION CONTROL SYSTEM

Every 24 months or 24,000 miles (More often under dusty conditions) the filter in the base of the canister must be replaced and the canister inspected.

### MANIFOLD HEAT CONTROL VALVE

Every 6,000 miles or 4 months, check valve for freedom of operation. If valve shaft is sticking, free it up with GM Manifold Heat Control Solvent or its equivalent.

### AIR CLEANER

**CAUTION:** *Do not remove the engine air cleaner unless temporary removal is necessary during repair or maintenance of the vehicle. When the air cleaner is removed, backfiring can cause fire in the engine compartment.*

**NOTE:** Under prolonged dusty driving conditions, it is recommended that these operations be performed more often.

#### Oil Wetted Paper Element Type— L-6 Engine

Replace every 12,000 miles.

#### V-8 Engine

First 12,000 miles inspect element for dust leaks, holes or other damage. Replace if necessary. If satisfactory, rotate element 180° from originally installed position. Replace at 24,000 miles. Element must not be washed, oiled, tapped or cleaned with an air hose.

#### Crankcase Ventilation Filter (Located within Air Cleaner)

If so equipped, inspect at every oil change and replace if necessary. Replace at least every 24,000 miles; more often under dusty driving conditions.

### FUEL FILTER

Replace filter element located in carburetor inlet every 12 months or 12,000 miles whichever occurs first, or, if an in-line filter is also used, every 24,000 miles.

Replace in-line filter every 24,000 miles.

### DISTRIBUTOR

Remove distributor cap and rotate lubricator 1/2 turn at 12,000 mile intervals. Replace at 24,000 mile intervals.

### REAR AXLE AND 3-SPEED 4-SPEED TRANSMISSIONS

The passenger car operates under the most severe lubrication conditions at high speed and requires a hypoid lubricant which will meet this condition.

### RECOMMENDED LUBRICANTS

Standard Rear Axles—SAE 80 or SAE 90 GL-5 Gear Lubricant. (For vehicles normally operated in Canada use SAE80 GL-5 gear lubricant).

Drain and refill at first 12,000 miles then maintain same as standard axle.

**CAUTION:** *Straight Mineral Oil gear lubricants must not be used in hypoid rear axles.*

Manual transmissions—SAE 80 or SAE 90 GL-5 gear lubricant. If temperatures of below 32 F. are expected use SAE 80 GL-5 gear lubricant only.

#### Lubricant Additions—Manual Transmission

The lubricant level in the transmission housing should be checked periodically. (Every 6,000 miles or 4 months)

It is recommended that any additions required to bring up the lubricant level be made using the same type lubricant already in the housing (SAE 80 or SAE 90 GL-5 Gear Lubricant). (For vehicles normally operated in Canada use SAE80 GL-5 gear lubricant).

When checking lubricant level in transmission or rear axle the unit being checked should be at operating temperature. With unit at operating temperature the lubricant should be level with bottom of the filler plug hole. If the lubricant level is checked with the unit cold the lubricant level should be 1/2 inch below the filler plug hole. If temperature of below 32 F. are expected use SAE 80 GL-5 Gear Lubricant only.

#### Lubrication Additions—Rear Axle—Standard

Every 4 months or 6,000 miles, whichever occurs first: Check lubricant level, and add lubricant if necessary to fill to level of filler plug hole. Use SAE 80 or SAE 90 GL-5 Gear Lubricant. (For vehicles normally operated in Canada use SAE 80 GL-5 gear lubricant).

#### Lubricant Changes

The rear axle lubricant does not normally require changing for the life of the vehicle. If additions are needed, or when refilling the axle after service procedures, use lubricants described above. However, if vehicle is used to pull a trailer, change lubricant every 12,000 miles.

#### Transmission Shift Linkage (Manual and Automatic)

Every 6000 miles or 4 months lubricate shift linkage and on manual transmission floor controls lever contacting faces with water resistant EP chassis lubricant which meets GM Specification 6031M.

#### Clutch Cross—Shaft

Periodic lubrication of the clutch cross shaft is not required. At 36,000 miles or sooner, if necessary; remove plug, install lube fitting and apply EP CHASSIS

LUBRICANT which meets GM Specification GM 6031M.

### AUTOMATIC TRANSMISSIONS

NOTE: At first transmission fluid change, it is recommended that the turbo hydramatic 250 intermediate band be adjusted as specified in Section 7 of this manual.

#### TURBO HYDRA-MATIC 250 AND 350

##### Automatic Transmission Fluid Recommendations

Use only automatic transmission fluids identified with the mark DEXRON® II or DEXRON®. These fluids have been specially formulated and tested for use in your automatic transmission, and are available at Chevrolet dealers or local service stations.

Check the fluid level at each engine oil change period. To make an accurate fluid level check.

Drive car several miles, making frequent starts and stops. To bring transmission up to normal operating temperature (approximately 180-190 F).

Park car on a level surface.

Place selector lever in "Park" and leave engine running.

Remove dipstick and wipe clean.

Reinsert dipstick until cap seats.

Remove dipstick and note reading.

If fluid level is at or below the ADD mark, add sufficient fluid to raise the level to the FULL mark one pint raises the level from ADD to FULL. Do not overfill.

Under normal driving conditions, the transmission fluid should be changed every 24,000 miles. If your car is driven extensively in heavy city traffic during hot weather, or is used to pull a trailer, change fluid every 12,000 miles. Likewise operators of cars in commercial use such as taxicab, limousine (or patrol car service) where the engine idles for long periods, should change fluid every 12,000 miles.

Every 24,000 miles (every 12,000 if vehicle is driven extensively in heavy city traffic during hot weather; or is in commercial use, such as a taxicab, limousine or patrol car service, where the engine idles for long periods or is used to pull a trailer) remove fluid from the transmission sump and add 2.5 quarts U.S. measure (2.0 quarts Imperial measure). Operate transmission through all ranges and check fluid level as described above.

#### Turbo Hydra-Matic 400

Lubrication for the Turbo Hydra-Matic 400 will, except for fluid capacity and filter change listed below, follow the recommendations above. After checking transmission fluid level it is important that the dipstick be pushed all the way into the fill tube.

Every 24,000 miles after removing fluid from the transmission sump, approximately 7-1/2 pints U.S.

measure (6.25 pints Imperial measure) of fresh fluid will be required to return level to proper mark on the dipstick.

Every 24,000 miles the transmission sump filter should be replaced.

## CHASSIS

### CHASSIS LUBRICATION

For chassis lubrication, consult the lubrication chart. It shows the points to be lubricated and how often the lubricant should be applied.

The term "chassis lubricant" as used in this manual, describes a water resistant EP chassis lubricant which meets GM Specification GM 6031M designed for application by commercial pressure gun equipment.

### REAR UNIVERSAL JOINT FITTING

Every 6,000 miles or 4 months—lubricate universal joint with water resistant EP Chassis Lubricant Part number 1050679 which meets GM Specification 6040M.

### FRONT WHEEL BEARINGS

It is necessary to remove the wheel and hub assembly to lubricate the bearings. The bearing assemblies should be cleaned before repacking with lubricant. Do not pack the hub between the inner and outer bearing assemblies or the hub caps, as this excessive lubrication results in the lubricant working out into the brake drums and linings.

Front wheels of all passenger car models are equipped with tapered roller bearings and should be packed every 24,000 miles with a high melting point water resistant front wheel bearing lubricant. On units equipped with disc brakes, use wheel bearing lubricant GM Part No. 1051344 or equivalent. This is a premium high melting point lubricant.

**CAUTION:** "Long fibre" or "viscous" type lubricant should not be used. Do not mix wheel bearing lubricants. Be sure to thoroughly clean bearings and hubs of all old lubricant before repacking.

The proper adjustment of front wheel bearings is one of the important service operations that has a definite bearing on safety. A car with improperly adjusted front wheel bearings lacks steering stability, has a tendency to wander or shimmy and may have increased tire wear. The adjustment of these bearings is very critical. The procedure is covered in Section 3 of this manual under Front Wheel Bearings—Adjust.

### BRAKE MASTER CYLINDER

Check level every 6,000 miles or 4 months and maintain 1/4" below lowest edge of each filler opening with DOT-3 or GM Hydraulic Brake Fluid Supreme No. 11 or equivalent.

## PARKING BRAKE

Every 6,000 miles or 4 months, apply water resistant lubricant which meets GM Specification GM 6031M to parking brake cable, cable guides and at all operating links and levers.

## STEERING GEAR

### Manual

The steering gear is factory-filled with steering gear lubricant. Seasonal change of this lubricant should not be performed and the housing should not be drained - **no lubrication is required for the life of the steering gear.**

Every 36,000 miles, the gear should be inspected for seal leakage (actual solid grease - not just oily film). If a seal is replaced or the gear is overhauled, the gear housing should be refilled with #1051052 (13 oz. container) Steering Gear Lubricant which meets GM Specification GM 4673M, or its equivalent.

NOTE: Do not use EP Chassis Lube to lubricate the gear. **DO NOT OVER-FILL** the gear housing.

### Power Steering System

Check the fluid level in the pump reservoir at each oil change period. Add GM Power Steering Fluid (or DEXRON®II or DEXRON® Automatic Transmission Fluid) as necessary to bring level into proper range on filler cap indicator depending upon fluid temperature.

If at operating temperature (approximately 150° F-- hot to the touch), fluid should be between "HOT" and "COLD" marks. If at room temperature (approximately 70° F), fluid should be between "ADD" and "COLD" marks. Fluid does not require periodic changing.

### Power Steering Valve Adapter-Corvette

Every 4 months or 6,000 miles, whichever occurs first, lubricate the power steering valve adapter with EP chassis lubricant which meets G.M. Specification GM 6031.

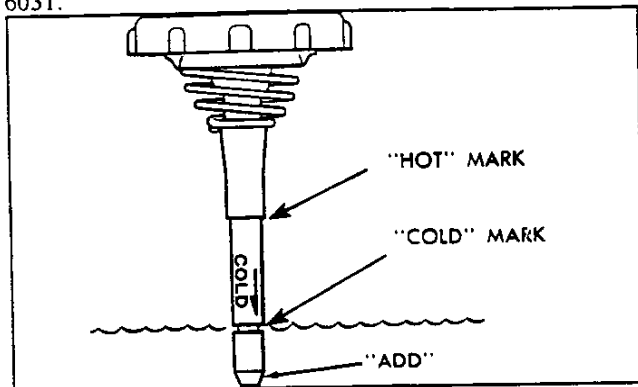


Fig. 7—Power Steering Filler Cap Indicator

## ELECTRICAL

### BATTERY CARE (ENERGIZER)

Energizer—Check fluid level monthly. If the fluid level is low, add only colorless, odorless drinking water or distilled water to bring level to split ring in filler opening.

### HOOD LATCHES

Every 4 months or 6,000 miles, whichever occurs first, lubricate hood latch assembly and hood hinge assembly as follows:

1. Wipe off any accumulation of dirt or contamination on latch parts.
2. Apply Lubriplate or equivalent to latch pilot bolts and latch locking plate.
3. Apply light engine oil to all pivot points in release mechanism, as well as primary and secondary latch mechanisms.
4. Lubricate hood hinges.
5. Make hood hinge and latch mechanism functional check to assure the assembly is working correctly.

### AIR CONDITIONING

Every 6,000 miles or 4 months check sight glass under the hood, after the system has been in operation for several minutes. Sight glass should be clear but may, during milder weather, show traces of bubbles. Foam or dirt indicate a leak which should be repaired immediately.

### BODY LUBRICATION

See Body Service Manual for Body Lubrication. (Except Corvette)

### BODY LUBRICATION POINTS (CORVETTE)

Lubricate the following items when possible.

Hood Latch Mechanism and Hinges—Apply light engine oil to pivot points. Don't oil lock pins or catch plates.

Rear Compartment Lid Release and Hinges—Apply light engine oil.

Side Door Hinge Pins—Apply light engine oil.

Door Lock Rotor and Strike Plate—Apply light engine oil or stainless stick lubricant.

Lock Cylinders — Lubricate with powdered graphite.

Window Regulators and Controls and Door Lock Remote Link — Apply light engine oil.

Gas Tank Filler Cap Hinge — Apply light engine oil.

Weatherstrips and Rubber Bumpers — Coat lightly with a rubber lubricant.

## COMPLETE VEHICLE MAINTENANCE SCHEDULE

When To Perform Services (Months or Miles, Whichever Occurs First)	Item No.	Services (For Details, See Numbered Paragraphs)
Every 4 months or 6,000 miles	1	Chassis Lubrication
	2	*Fluid Levels
	3	*Engine Oil
	4	Air Conditioning System
Every 6,000 miles	5	Tire Rotation
At 1st oil change—then every 2nd	6	*Engine Oil Filter
Every 12,000 miles	7	Rear Axle
Every 12 months or 12,000 miles	8	*Cooling System
Every 24,000 miles	9	Wheel Bearings
	10	*Automatic Transmission
Every 36,000 miles	11	Manual Steering Gear and Clutch Cross Shaft
Every 4 months or 6,000 miles	12	Owner Safety Checks
	13	Tires and Wheels
	14	Exhaust System
	15	*Drive Belts
	16	Suspension and Steering
	17	Brakes and Power Steering
Every 6,000 miles	18	Disc Brakes
Every 12 months or 12,000 miles	19	Drum Brakes and Parking Brake
	20	Throttle Linkage
	21	Headlights
	22	Underbody
	23	Bumpers
At 1st 4 months or 6,000 miles— then at 12 month/12,000 mile intervals	24	Thermostatically Controlled Air Cleaner
	25	Carburetor Choke
	26	Timing, Dwell, Carb. Idle, Distr. and Coil
	27	Manifold Heat Valve
At 1st 4 months or 6,000 miles	28	Carburetor Mounting
Every 6,000 miles	29	Spark Plugs (Vehicles using leaded fuels)
Every 12 months or 12,000 miles	30	EGR System (Vehicles using leaded fuels)
	31	Carburetor Fuel Inlet Filter
	32	Thermal Vacuum Switch and Hoses
	33	Vacuum Advance Solenoid and Hoses
	34	Transmission Control Switch
	35	Idle Stop Solenoid
	36	PCV System
	37	Engine Compression
Every 24 months or 24,000 miles	38	ECS System
	39	Fuel Cap, Tank and Lines
	40	AIR System
	41	Mechanical Valve Lifters (Vega)
Every 24,000 miles	42	Air Cleaner Element
	43	Spark Plug and Ignition Coil Wires
At 1st 24/24—then every 12/12	43	Spark Plug and Ignition Coil Wires

\*Also an Emission Control Service

^Also a Safety Service

Complete Vehicle Maintenance Schedule Art

## EXPLANATION OF COMPLETE VEHICLE MAINTENANCE SCHEDULE

Presented below is a brief explanation of each of the services listed in the preceding Complete Vehicle Maintenance Schedule.

Vehicle operation under conditions such as heavy dust, continuous short trips, use of other than unleaded or low lead fuels or pulling trailers, is not considered normal use and therefore more frequent maintenance will be required. Such additional maintenance requirements are included where applicable. Refer to the appropriate section of this manual for additional details on specific services. A listing of recommended lubricants and fluids is included at the end of this listing.

### LUBE AND GENERAL MAINTENANCE

1. **CHASSIS**—Lubricate all grease fittings in front suspension, steering linkage, and constant velocity universal joint. Also lubricate transmission shift linkage, hood latch, hood hinges, and parking brake cable guides and linkage.
2. **FLUID LEVELS**—Check level of fluid in brake master cylinder\*, power steering pump\*, battery, engine\*\*, axle, transmission\*\* and windshield washer\*. Engine coolant should be checked for proper level and freeze protection to at least -20°F or to the lowest temperature expected during the period of vehicle operation.\*\* Proper engine coolant also provides corrosion protection.

Any significant fluid loss in any of these systems or units could mean that a malfunction is developing and corrective action should be taken immediately. A low fluid level in the brake master cylinder front reservoir could also be an indicator that the disc brake pads need replacing.

3. **ENGINE OIL\*\***—Change each 4 months or 6,000 miles, whichever occurs first, or each 2 months or 3,000 miles when the vehicle is operated under the following conditions: (a) driving in dusty conditions, (b) trailer pulling, (c) extensive idling or (d) short-trip operation at freezing temperatures (with engine not thoroughly warmed-up). See elsewhere in this section for additional details on engine oil.
4. **AIR CONDITIONING**—Check condition of air conditioning system hoses and refrigerant charge at sight glass (if so equipped). Replace hoses and/or refrigerant if need is indicated.

\*Also a Safety Service

\*\*Also an Emission Control Service

5. **TIRES**—To equalize wear, rotate tires as illustrated in Section 10 of this manual and adjust tire pressures as shown on tire placard on rear face of driver's door.
6. **ENGINE OIL FILTER**—Replace at the first oil change and every other oil change thereafter.
7. **REAR AXLE**—Change lubricant at first 12,000 miles on Positraction axles. Change lubricant every 12,000 miles on all type rear axles or final drives when using vehicle to pull a trailer.
8. **COOLING SYSTEM**—At 12-month or 12,000 mile intervals, wash radiator cap and filler neck with clean water, pressure test system and radiator cap for proper pressure holding capacity. (tighten hose clamps and inspect condition of all cooling and heater hoses\*\*). Replace hoses every 24 months or 24,000 miles or earlier if checked, swollen or otherwise deteriorated.

Also each 12 months or 12,000 miles, clean exterior of radiator core and air conditioning condenser.\*\* Every 24 months or 24,000 miles, drain, flush, and refill the cooling system with a new coolant solution.\*\*

9. **WHEEL BEARINGS**—Clean and repack front wheel bearings with a lubricant as specified in the "Recommended Fluids & Lubricants" chart in the section.
10. **AUTOMATIC TRANSMISSION FLUID\*\***—Under normal driving conditions, change the transmission fluid and service the sump filter every 24,000 miles. Under unusual conditions such as constant driving in heavy city traffic during hot weather, trailer pulling, etc., these services should be performed at 12,000-mile intervals. See elsewhere in this manual for further details on transmission care.
11. **MANUAL STEERING GEAR**—Check for seal leakage around the pitman shaft and housing. If leakage is evident (solid grease oozing out—not just oily film), it should be corrected immediately. Lubricate clutch cross shaft lever.

### SAFETY MAINTENANCE

12. **SAFETY CHECKS TO BE PERFORMED BY OWNER**—Listed below are the safety checks that should be made by the owner (items a thru u). These checks should be made regularly during operation, at no greater interval than 4 months or 6,000 miles, whichever occurs first, and more often when the need is indicated. Any deficiencies should

## 0-18 GENERAL INFORMATION AND LUBRICATION

be brought to the attention of the dealer or another service outlet, as soon as possible.

- a. **STEERING COLUMN LOCK**—Check for proper operation by attempting to turn key to LOCK position in the various transmission gears with car stationary. Key should turn to LOCK position only when transmission control is in PARK on automatic transmission models or in reverse on manual transmission models. Key should be removable only in LOCK position.
- b. **PARKING BRAKE AND TRANSMISSION "PARK" MECHANISM**—Check parking brake holding ability by parking on a fairly steep hill and restraining the vehicle with the parking brake only. On cars with automatic transmissions, check the holding ability of the "PARK" mechanism by releasing all brakes after the transmission selector lever has been placed in the "P" position.

**CAUTION:** *Before making the two checks below, be sure to have a clear distance ahead and behind the car, set the parking brake and firmly apply the foot brake. Do not depress accelerator pedal. Be prepared to turn off ignition switch immediately if engine should start.*

- c. **STARTER SAFETY SWITCH (AUTOMATIC TRANSMISSION CARS)**—Check starter safety switch by placing the transmission in each of the driving gears while attempting to start the engine. The starter should operate only in the Park ("P") or Neutral ("N") positions.
- d. **STARTER SAFETY SWITCH (MANUAL TRANSMISSION CARS)**—To check, place the shift lever in neutral, depress the clutch halfway, and attempt to start. The starter should operate when clutch is fully depressed.
- e. **TRANSMISSION SHIFT INDICATOR**—Check to be sure automatic transmission shift indicator accurately indicates the shift position selected.
- f. **STEERING**—Be alert to any changes in steering action. The need for inspection or servicing may be indicated by "hard" steering, excessive free play or unusual sounds when turning or parking.
- g. **WHEEL ALIGNMENT AND BALANCE**—In addition to abnormal tire wear, the need for wheel alignment service may be indicated by a pull to the right or left when driving on a straight and level road. The need for wheel balancing is usually indicated by a vibration of the steering wheel or seat while driving at normal highway speeds.
- h. **BRAKES**—Be alert to illumination of the brake warning light or changes in braking action, such as repeated pulling to one side, unusual sounds when braking or increased brake pedal travel.
- i. **EXHAUST SYSTEM**—Be alert to any change in the sound of the exhaust system or a smell of fumes which may indicate a leak.
- j. **WINDSHIELD WIPERS AND WASHERS**—Check operation of wipers, as well as condition and alignment of wiper blades. Check amount and direction of fluid sprayed by washers during use.
- k. **DEFROSTERS**—Check performance by moving controls to "DEF" and noting amount of air directed against the windshield.
- l. **REARVIEW MIRRORS AND SUN VISORS**—Check that friction joints are properly adjusted so mirrors and sun visors stay in the selected position.
- m. **HORN**—Blow the horn occasionally to be sure that it works.
- n. **LAP AND SHOULDER BELTS**—Check belts, buckles, adjustable latch plates, retractors, interlock and reminder systems, guide loops, clips, and anchors for proper operation. Check to make certain that anchor mounting bolts are tight.
- o. **HEAD RESTRAINTS**—Check that head restraints, if present, adjust properly in the up detent positions, and that no components are missing, damaged or loose.
- p. **SEAT BACK LATCHES**—Check to see that seat back latches are holding by pulling forward on the top of each folding seat back with doors closed if equipped with automatic seat back latches.
- q. **LIGHTS AND BUZZERS**—Check all instrument panel illuminating and warning lights, seat belt reminder light and buzzer, ignition key buzzer, interior lights, license plate lights, side marker lights, headlamps, parking lamps, tail lamps, brake lights, turn signals, backup lamps, and hazard warning flashers. Have someone observe operation of each exterior light while you activate the controls.
- r. **GLASS**—Check for broken, scratched, dirty or damaged glass on vehicle that could obscure vision or become an injury hazard.
- s. **DOOR LATCHES**—Check for positive closing, latching and locking.
- t. **HOOD LATCHES**—Check to make sure hood closes firmly by lifting on the hood after each closing. Check also for broken, damaged or missing parts which might prevent secure latching.
- u. **FLUID LEAKS**—Check for fuel, water, oil or other fluid leaks by observing the ground beneath the vehicle after it has been parked for a while. (Water dripping from air conditioning

\*Also a Safety Service

\*\*Also an Emission Control Service



system after use is normal.) If gasoline fumes or fluid are noticed at any time, the cause should be determined and corrected without delay because of the possibility of fire.

13. **TIRES AND WHEELS**—Check tires for excessive wear, nails, glass, cuts or other damage. Make certain wheels are not bent or cracked and wheel nuts are tight. Uneven or abnormal tire wear may indicate the need for alignment service. Tire inflation pressure should be checked by the owner at least monthly, or more often if daily visual inspection indicates the need. Refer to tire placard on rear face of driver's door for recommended pressures and Section 10 in this manual for information on tire tread wear indicators.
  14. **EXHAUST SYSTEM**—Check complete exhaust system and nearby body areas and trunk lid for broken, damaged, missing or mispositioned parts, open seams, holes, loose connections or other deterioration which could permit exhaust fumes to seep into the trunk or passenger compartment. Dust or water in the trunk may be an indication of a problem in one of these areas. Any defects should be corrected immediately. To help insure continued integrity, exhaust system pipes and resonators rearward of the muffler must be replaced whenever a new muffler is installed.
  15. **ENGINE DRIVE BELTS\*\***—Check belts driving fan, AIR pump, Delcotron, power steering pump and air conditioning compressor for cracks, fraying, wear and tension.\*\* Adjust or replace as necessary.
- It is recommended that belts be replaced every 24 months or 24,000 miles, whichever occurs first.
16. **SUSPENSION AND STEERING**—Check for damaged, loose or missing parts, or parts showing visible signs of excessive wear or lack of lubrication in front and rear suspension and steering system. Questionable parts noted should be replaced without delay.
  17. **BRAKES AND POWER STEERING**—Check lines and hoses for proper attachment, leaks, cracks, chafing, deterioration, etc. Any questionable parts noted should be replaced or repaired immediately. When abrasion or wear is evident on lines or hoses, the cause must be corrected.
  18. **DISC BRAKES**—Be alert for disc brake wear indicator sound (see Section 5 in this manual for descriptive details). Check brake pads and condition of rotors while wheels are removed during tire rotation. (Note below regarding more frequent checks also applies to disc brakes.)
  19. **DRUM BRAKES AND PARKING BRAKE**—Check drum brake linings and other internal brake components at each wheel (drums, wheel cylinders, etc.). Parking brake adjustment also should be checked for drag and lubricated at every chassis lube period.

\*Also a Safety Service

\*\*Also an Emission Control Service

NOTE: More frequent checks should be made if driving conditions and habits result in frequent brake application.

20. **THROTTLE LINKAGE**—Check for damaged or missing parts, interference or binding. Any deficiencies should be corrected without delay.
21. **HEADLIGHTS**—Check for proper aim. Correct as necessary. More frequent checks should be made if oncoming motorists signal when lights are already on low beam, or if illumination of the area ahead seems inadequate.
22. **UNDERBODY**—In geographic areas using a heavy concentration of road salt or other corrosive materials for snow removal or road dust control, flush and inspect the complete under side of the car at least once each year, preferably after a winter's exposure. Particular attention should be given to cleaning out underbody members where dirt and other foreign materials may have collected.
23. **BUMPERS**—Check the front and rear bumper systems at 12-month/12,000 mile intervals to be sure that impact protection and clearance originally designed into these systems remain in a state of full readiness. It also should be checked whenever there is obvious bumper misalignment, or whenever the vehicle has been involved in a significant collision in which the bumper was struck, even when slight or no damage to the bumper system can be seen.

### EMISSION CONTROL MAINTENANCE

24. **THERMOSTATICALLY CONTROLLED AIR CLEANER**—Inspect installation to make certain that all hoses and ducts are connected and correctly installed. Also check valve for proper operation.
25. **CARBURETOR CHOKE**—Check choke mechanism for free operation. Any binding condition which may have developed due to petroleum gum formation on the choke shaft or from damage should be corrected.
26. **TIMING, DWELL, CARBURETOR IDLE, DISTRIBUTOR AND COIL**—Adjust ignition timing, dwell and carburetor idle speed accurately (following the specifications shown on the label under the hood) at the first 4 months or 6,000 miles of operation then at 12-month or 12,000-mile intervals. Adjustments must be made with test equipment known to be accurate.

Replace distributor points every 12 months or 12,000 miles and replace cam lubricator every 24 months or 24,000 miles. In addition, carefully inspect the interior and exterior of the distributor cap, distributor rotor and coil for cracks, carbon tracking, and terminal corrosion. Clean or replace as necessary at 24-month/24,000-mile intervals to prevent misfiring and/or deterioration.

Proper functioning of the carburetor is particularly essential to control of emissions. Correct mixtures for emission compliance and idle quality have been preset

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by Chevrolet. Plastic idle mixture limiters have been installed on the idle mixture screws to preclude unauthorized adjustment. These idle limiters are not to be removed unless some major carburetor repair or replacement which affects the idle screw adjustment, has been necessary.

At 24 months or 24,000 miles intervals or in case of a major carburetor overhaul, or when poor idle quality exists, idle mixture should be adjusted by a mechanical method (lean drop). The alternate method for adjusting idle mixture is by CO meter if accurate meter is available.

27. **MANIFOLD HEAT VALVE**—Some engines are equipped with a manifold heat valve which should be inspected and repaired as necessary to insure free operation.
28. **CARBURETOR MOUNTING**—Torque carburetor attaching bolts and/or nuts to compensate for compression of gasket at first 4 months or 6,000 miles of vehicle operation, then at every 24,000 miles thereafter.
29. **SPARK PLUGS**—Replace at 6,000-mile intervals when operating with leaded fuels or at 12,000-mile intervals when using unleaded fuels. Use of leaded fuels results in lead deposits on spark plugs and can cause misfiring at mileages less than 12,000 miles. Where misfiring occurs prior to 6,000 miles, spark plugs in good condition can often be cleaned, tested and reinstalled in an engine with acceptable results.
30. **EXHAUST GAS RECIRCULATION SYSTEM (EGR)**—At 12-month/12,000 mile intervals when operating with leaded fuels or at 24-month/24,000 mile intervals when using unleaded fuels remove, inspect, and if deposits exist, clean the EGR valve. Inspect the EGR passages in the inlet manifold and clean as required. A damaged EGR valve must be repaired or replaced.
31. **CARBURETOR FUEL INLET FILTER**—Replace filter at 12-month/12,000-mile intervals or more frequently if clogged.
32. **THERMAL VACUUM SWITCH AND HOSES**—Check for proper operation. A malfunctioning switch must be replaced. Check hoses for proper connection, cracking, abrasion or deterioration and replace as necessary.
33. **VACUUM ADVANCE SOLENOID AND HOSES**—Check both the vacuum and electrical functions of this valve. An inoperative or leaking valve should be replaced. Check condition of wires and connections. Check hoses for proper connection, cracking, abrasion or deterioration and replace as necessary.
34. **TRANSMISSION CONTROL SWITCH**—Check the electrical function of this switch. An inoperative switch should be replaced. Check condition of wires and connections.
35. **IDLE STOP SOLENOID**—Check for proper operation. An inoperative solenoid must be replaced.
36. **POSITIVE CRANKCASE VENTILATION SYSTEM (PCV)**—Check the PCV system for satisfactory operation at 12-month or 12,000-mile intervals using a tester. Replace the PCV valve at 24-month or 24,000 mile intervals, blow out PCV valve hose with compressed air and replace the filter. The PCV valve should be replaced at 12-month or 12,000 mile intervals when the vehicle is used in operations involving heavy dust, extensive idling, trailer pulling, and short trip use at freezing temperatures where engine does not become thoroughly warmed-up.  

The PCV filter should be replaced at 12-month/12,000-mile intervals under dusty driving conditions.
37. **ENGINE COMPRESSION**—Test engine cranking compression. If a problem exists, have correction made. Minimum compression recorded in any one cylinder should not be less than 70% of highest cylinder. For example, if the highest pressure in any one cylinder is 150 pounds, the lowest allowable pressure for any other cylinder would be 105 pounds ( $150 \times 70\% = 105$ ).
38. **EVAPORATION CONTROL SYSTEM (ECS)**—Check all fuel and vapor lines and hoses for proper connections and correct routing as well as condition. Remove canister and check for cracks or damage. Replace damaged or deteriorated parts as necessary. Replace filter in lower section of canister.
39. **FUEL CAP, FUEL LINES AND FUEL TANK**—Inspect the fuel tank, cap and lines for damage which could cause leakage. Inspect fuel cap for correct sealing ability and indications of physical damage. Replace any damaged or malfunctioning parts.
40. **AIR INJECTION REACTOR (AIR) SYSTEM HOSES AND CONNECTIONS**—Check AIR system hoses and fittings for loose connections and deterioration. Test diverter valve for proper operation. Malfunctioning diverter valves and deteriorated hoses must be replaced.
41. **MECHANICAL VALVE LIFTERS (WHERE USED)**—Intake and exhaust valves should be adjusted at 24,000 mile intervals.
42. **AIR CLEANER ELEMENT**—Replace the engine air cleaner element under normal operating conditions every 24,000 miles on V-8 engines; 12,000 miles on L-6 engines. Operation of vehicle in dusty areas will necessitate more frequent element replacement.  

**CAUTION:** Do not operate the engine without the air cleaner unless temporary removal is necessary during repair or maintenance of the vehicle. When the air cleaner is removed, backfiring can cause fire in the engine compartment.
43. **SPARK PLUG AND IGNITION COIL WIRES**—Inspect spark plug and ignition coil wires for

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**GENERAL INFORMATION AND LUBRICATION 0-21**

evidence of checking, burning, or cracking of exterior insulation and tight fit at distributor cap, coil, and spark plugs. Exterior of wires should be

cleaned; any evidence of corrosion on end terminals removed and wires replaced as necessary to prevent misfiring and/or deterioration.

**RECOMMENDED FLUIDS & LUBRICANTS**

USAGE	FLUID/LUBRICANT
Power steering system and pump reservoir	GM power steering fluid Part No. 1050017 or equivalent—if not available use DEXRON® or DEXRON® II automatic transmission fluid
Differential—standard	SAE-80 or SAE-90 GL-5 gear lubricant (SAE-80 in Canada)
Differential—Positraction	Lubricant GM Part No. 1051022 or equivalent
Manual steering gear	Lubricant GM Part No. 1051052 or equivalent
Manual transmission	SAE-80 or SAE-90 GL-5 gear lubricant (SAE-80 in Canada)
Brake system and master cylinder	Delco Supreme 11 fluid or DOT-3
Clutch linkage (Man. trans. only)	
a. Pivot points	Engine oil
b. Push rod to clutch fork joint, and cross shaft pressure fitting	Chassis grease meeting requirements of GM 6031-M
Manual transmission shift linkage, column shift	Engine oil
Shift linkage, floor shift	Engine oil
Hood Latch assembly	
a. Pivots and spring anchor	Engine oil
b. Release pawl	Chassis grease

USAGE	FLUID/LUBRICANT
Hood hinges	Engine oil
Automatic transmission shift linkage	Engine oil
Chassis lubrication	Chassis grease meeting requirements of GM 6031-M
Constant Velocity Universal Joint	GM Lubricant Part No. 1050679 or grease meeting requirements of GM 6040-M
Automatic transmission	DEXRON® or DEXRON® II automatic transmission fluid
Parking brake cables	Chassis grease
Front wheel bearings	Chassis grease meeting requirements of GM 6031-M
Body door hinge pins, station wagon tailgate hinge and linkage, station wagon folding seat, rear compartment lid hinges.	Engine Oil
Convertible door to lock wedge plates	Stick-type lubricant
Windshield washer solvent	GM Optikleen washer solvent Part No. 1050001 or equivalent
Energizer (Battery)	Colorless, odorless drinking water
Engine coolant	Mixture of water and a high quality Ethylene Glycol base type anti-freeze conforming to GM Spec. 1899-M

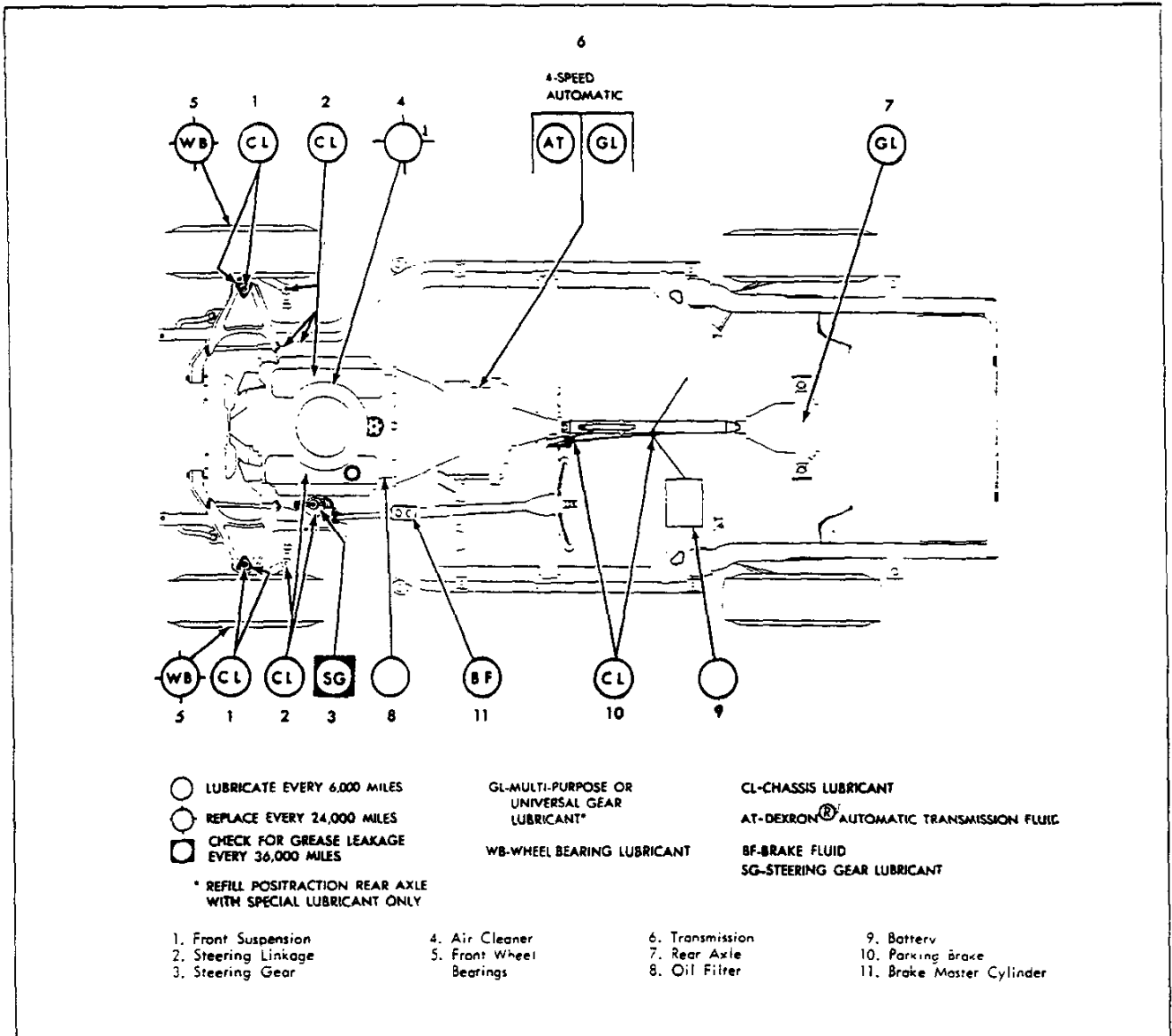


Fig. 12—Lubrication Diagram—Corvette Models

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# CORVETTE

## 1974 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Model Number	Wheel-base	Dealer Invoice Amount*	Dealer Price	Factory D&H†	List Price	Mfr's Suggested Retail Price★	Destination Charge & Group Number	Total
◆ <b>8-Cylinder Engine</b>									
Coupe—2-Passenger .....	1YZ37	98"				.00	6081.50	14	
Convertible—2-Passenger with manually operated folding top .....	1YZ67	98"				.00	5845.50	14	

★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, options or accessories.  
 ◆ Refer to Dealer Order Guide for California Requirements.

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H†	List Price	Mfr's Suggested Retail Price◇
<b>REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>Air Conditioning: Four-Season</b> .....	C60				490.00	490.00
<b>Axle Ratios:</b>						
<i>Economy</i> .....	G95				12.00	12.00
<i>Performance</i> .....	G92				12.00	12.00
<i>Special</i> .....						
3.36 .....	YC2				12.00	12.00
3.55 .....	YC3				12.00	12.00
<b>Battery, Heavy-Duty:</b> Included with LS4 454-4 /DE engine .....	UA1				15.00	15.00
<b>Belts, Custom Deluxe Shoulder:</b> Driver and passenger. Standard on Coupe .....	A85				41.00	41.00
<b>Brakes, Power:</b> Included with Z07 Off-Road Package .....	J50				52.00	52.00
<b>California Emission Certification:</b> Includes all testing, equipment and /or certification necessary for registration in the State of California .....	YF5				21.00	21.00
<b>Defogger, Rear Window:</b> Forced-Air .....	C50				46.00	46.00
<b>Engines:</b> (Refer to Dealer Order Guide for California Requirements)						
<i>Turbo-Fire 350-4 /DE V8</i> .....	L48			NO ADDITIONAL CHARGE		
<i>Turbo-Fire Special 350-4 /DE V8</i> .....	L82				316.00	316.00
<i>Turbo-Jet 454-4 /DE.</i> Includes UA1 HD battery .....	LS4				264.00	264.00
<b>Horns, Dual</b> .....	U05				4.00	4.00
<b>Light, Map:</b> Mounted on inside rearview mirror .....	UF1				5.00	5.00
<b>Off-Road Package:</b> Includes special FE7 Gymkhana suspension plus J50 HD front and rear power disc brakes .....	Z07				400.00	400.00
<b>Paint, Exterior: Solid</b> .....					NO ADDITIONAL CHARGE	
<b>Radio Equipment:</b> Pushbutton. Includes 30" fixed height rear antenna.						
<i>AM /FM Radio</i> .....	U69				173.00	173.00
<i>AM /FM /Stereo Radio</i> .....	U58				276.00	276.00
<b>Roof Cover, Vinyl: Black.</b> Convertible. Includes C07 auxiliary top .....	C08				329.00	329.00
<b>Steering, Power</b> .....	N41				124.00	124.00
<b>Steering Wheel: Tilt-Telescopic</b> .....	N37				82.00	82.00
<b>Suspension, Gymkhana:</b> Included with Z07 Off-Road Package .....	FE7				7.00	7.00
<b>Tires:</b>						
<i>GR70-15 /B Steel Belted Radial Ply Blackwall (Standard)</i> .....				NO ADDITIONAL CHARGE		
<i>GR70-15 /B Steel Belted Radial Ply White Stripe</i> .....	QRM				35.00	35.00
<i>GR70-15 /B Steel Belted Radial Ply White Lettered</i> .....	QRZ				48.00	48.00
<b>Top, Auxiliary:</b> Hard top. Convertible. In addition to folding top. Included with C08 vinyl roof cover .....	C07				267.00	267.00

\* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.  
 † D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.  
 ◇ State and local taxes not included.

# CORVETTE

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H <sup>§</sup>	List Price	Mfr's Suggested Retail Price <sup>▷</sup>
<b>REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>Top, Folding:</b> Manually operated, Convertible...						<i>NO ADDITIONAL CHARGE</i>
<b>Transmissions:</b>						
4-Speed Wide-Range (Standard) .....	M20					<i>NO ADDITIONAL CHARGE</i>
Turbo Hydra-matic						
With L48 350-4 /DE engine .....	M40				N.C.	N.C.
With L82 Special 350-4 /DE or LS4 454-4 /DE engine...	M40				113.00	113.00
4-Speed Close-Ratio .....	M21				N.C.	N.C.
<b>Trim, Interior:</b>						
Vinyl .....						<i>NO ADDITIONAL CHARGE</i>
Custom. Includes leather seat trim, special cut pile carpeting, door trim panels with wood-grained accents and lower carpeting plus wood-grained accents on console .....					154.00	154.00
<b>Windows, Power:</b> Electric .....	A31				93.00	93.00

\* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.  
<sup>§</sup> D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.  
<sup>▷</sup> State and local taxes not included.

# CORVETTE

ORDER NO. \_\_\_\_\_

DATE \_\_\_\_\_

CUSTOMER \_\_\_\_\_

SALESMAN \_\_\_\_\_

REV: 8-17-73

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

NOTE: PLEASE DISCARD ALL WORKSHEETS  
PRIOR TO THIS DATE

MODEL			QUICK SPEC		
I	Y	Z			

TRIM			COLOR	
	LOWER	UPPER		

Coupe	Convertible	Series
1Y237	1Y267	Corvette
	(Req. AA or BB Top)	

MUST ORDER ONE: \_\_\_\_\_ ENGINES \_\_\_\_\_

___	L48	8-Cyl. Turbo-Fire 350-4/DE
___	L82	Turbo-Fire Special 350-4/DE
___	LS4	Turbo-Jet 454-4/DE. (Incls. UA1 Battery)

QUICK SPEC	(X)	(X)	(X)	ENGINES			
				YES	SUB	DELETE	
							N41 Steering, Power
							J50 Brakes, Power
							C60 Air Conditioning
615A	*						M40 Transmission, Turbo Hydra-matic
							U69 Radio, AM/FM
							M37 Steering Wheel, Tilt-Telescopic
							QR2 Tires, GR70-15/B White Lettered
							A31 Windows, Power
-----							
616A	*						C07 Top, Auxiliary
							U58 Radio, AM/FM/Stereo
							UF1 Light, Map
-----							
617A							UA1 Battery, Heavy-Duty
							C50 Defogger, Rear Window

\* INDICATES OPTION THAT CAN BE  
SUBSTITUTED BY A SIMILAR OPTION.

ADD (X)	(SUB)	OPTION
615A		C60 AIR CONDITIONING
		AXLES: (See Power Teams Chart)
		G95 --Economy
		G92 --Performance
		--Special. (Req. Z07 Off-Road Pkg.)
		YC7 ----3.08. (Req. LS4 Eng.)
		YC2 ----3.36. (Req. L82 Eng.)
		YC3 ----3.55. (Req. L82 Eng.)
617A		UA1 BATTERY, HEAVY-DUTY: (Incl. w/ LS4 Eng.)
		A85 BELTS, CUSTOM DELUXE: (Incl. on Coupe model)
615A		J50 BRAKES, POWER
617A		YF5 CALIFORNIA EMISSION EQUIPMENT
616A		C50 DEFOGGER, REAR WINDOW
		UF1 LIGHT, MAP
		Z07 OFF-ROAD PACKAGE: (Req. L82 or LS4 Eng. and M21 Trans) (Incl. FE7 Susp. and J50 Brakes)
615A	616A	RADIO EQUIPMENT:
		U69 --AM/FM Radio
616A	615A	U56 --AM/FM/Stereo Radio
615A	616A	UL5 --Radio Not Desired
		C08 ROOF COVER, VINYL: Black. (Req. C07 Top)
615A		M41 STEERING, POWER
615A		N37 STEERING WHEEL: Tilt-Telescopic
		FE7 SUSPENSION, GYMKHANA: (Incl. w/ Z07 Off-Road Pkg.)
		TIRES:
		--Steel Belted Radial Ply
	615A	QR1 ----GR70-15/B White Stripe
		QR2 ----GR70-15/B White Lettered
		TOPS: (Convertible model only)
		--Auxiliary Hard Top
		C07 --Folding
		BB ----Black
		AA ----White
		TRANSMISSIONS:
	615A	M20 --4-Speed Wide-Range
	615A	M21 --4-Speed Close-Ratio. (Req. L82 or LS4 Eng.)
		M40 --Turbo Hydra-matic
		... TRIM, INTERIOR: (See Color and Trim Chart)
615A		A31 WINDOWS, POWER: Electric

REVISED: 8-17-73

DEALER ORDER GUIDE

√Indicates Change

CORVETTE

Page 1



# CORVETTE

## INTERIOR AND EXTERIOR SELECTION CHART

**PLEASE NOTE:** The exterior and interior combinations for solid color paint shown in the chart below have been established as the combinations that would be attractive to the average customer. Orders for non-recommended solid color exterior and interior trim combinations on the Coupe model may be submitted, provided the dealer initials the appropriate order form block as verification that the requested combination is definitely desired.

This procedure does not apply to the Convertible model as combinations shown are the only combinations that have been approved.

	Type of Seat	INTERIOR TRIM									
		Black		Blue (Midnight)	Neutral (Light)	Red (Dark)	Saddle (Medium)		Silver		
		Vinyl	Custom Interior	Vinyl	Vinyl	Vinyl	Vinyl	Custom Interior	Vinyl	Custom Interior	
Coupe or Convertible	Bucket	VBB2	XBB2	VDD2	VNN2	VHH2	VSS2	XSS2	VYY2	XY2	
EXTERIOR COLOR PAINT	COLOR CODE										
SOLID	Lower	Upper									
Blue, Corvette Medium (Metallic)	22	22	X	X						X	
Brown, Dark (Metallic)	68	68	X		X		X			X	
Gray, Corvette (Metallic)	17	17	X	X	X	X	X			X	
Green, Dark (Metallic)	48	48	X		X		X			X	
Orange, Corvette (Metallic)	80	80	X		X		X			X	
Red, Mille Miglia	76	76	X		X	X	X			X	
Red, Medium (Metallic)	74	74	X		X	X	X			X	
Silver Mist, Corvette	14	14	X	X		X	X			X	
White, Classic	10	10	X	X	X	X	X			X	
Yellow, Bright Corvette	56	56	X		X		X			X	

# CORVETTE POWER TEAMS

## Engine, Transmission and Positraction Rear Axle Combinations

(Engine horsepower ratings are reflected as "net" horsepower)

ENGINE		TRANSMISSION	POSITRACTION REAR AXLE RATIOS						
Option Number	Description	Type (Std or Optional)	Without Air Conditioning				With Air Conditioning		
			Std	Optional			Std ✓	Optional ✓	
				Econ	Perf	Spec		Econ	Perf

### STANDARD ENGINE

■ Standard Eight-Cylinder Engine Ordering Code L48	Turbo-Fire 350-4/DE 8-Cylinder 350-cu-in displacement 4-barrel carburetor Hydraulic valve lifters 8.5:1 compression ratio Dual exhaust	4-Speed Wide-Range (Std) —M20	3.36	3.08	—	—	3.36	3.08	—	—
		Turbo Hydra-matic—M40	3.08	—	3.36	—	3.08	—	3.36	—

### OPTIONAL ENGINES

■ Option L82	Turbo-Fire Special 350-4/DE 8-Cylinder 350-cu-in displacement 4-barrel carburetor Hydraulic valve lifters 9.0:1 compression ratio Dual exhaust	4-Speed Wide-Range (Std) —M20	3.55	—	3.70	—	3.55	—	—	—
		4-Speed Close-Ratio—M21 Without Off Road Package	3.70	3.55	—	—	3.55	—	—	—
		With Off Road Package	4.11	3.70	—	3.36 3.55	4.11	3.70	—	3.3 3.5
		Turbo Hydra-matic—M40	3.55	—	3.70	—	3.55	—	—	—
■ Option LS4	Turbo-Jet 454-4/DE 8-Cylinder 454-cu-in displacement 4-barrel carburetor Hydraulic valve lifters 8.25:1 compression ratio Dual exhaust	4-Speed Wide-Range (Std) —M20	3.08	—	3.36	—	3.08	—	—	—
		4-Speed Close-Ratio—M21 Without Off Road Package	3.36	3.08	3.55	—	3.36	—	—	—
		With Off Road Package	3.55	3.36	—	3.08	3.55	3.36	—	3.0
		Turbo Hydra-matic—M40	3.08	—	3.36	—	3.08	—	—	—

■ Available for registration in the State of California when California Emission Equipment is ordered.

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# 1974 Corvette

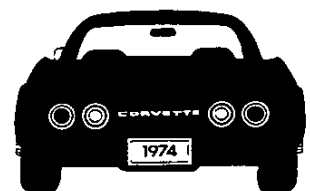
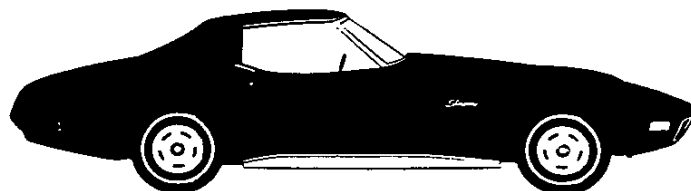
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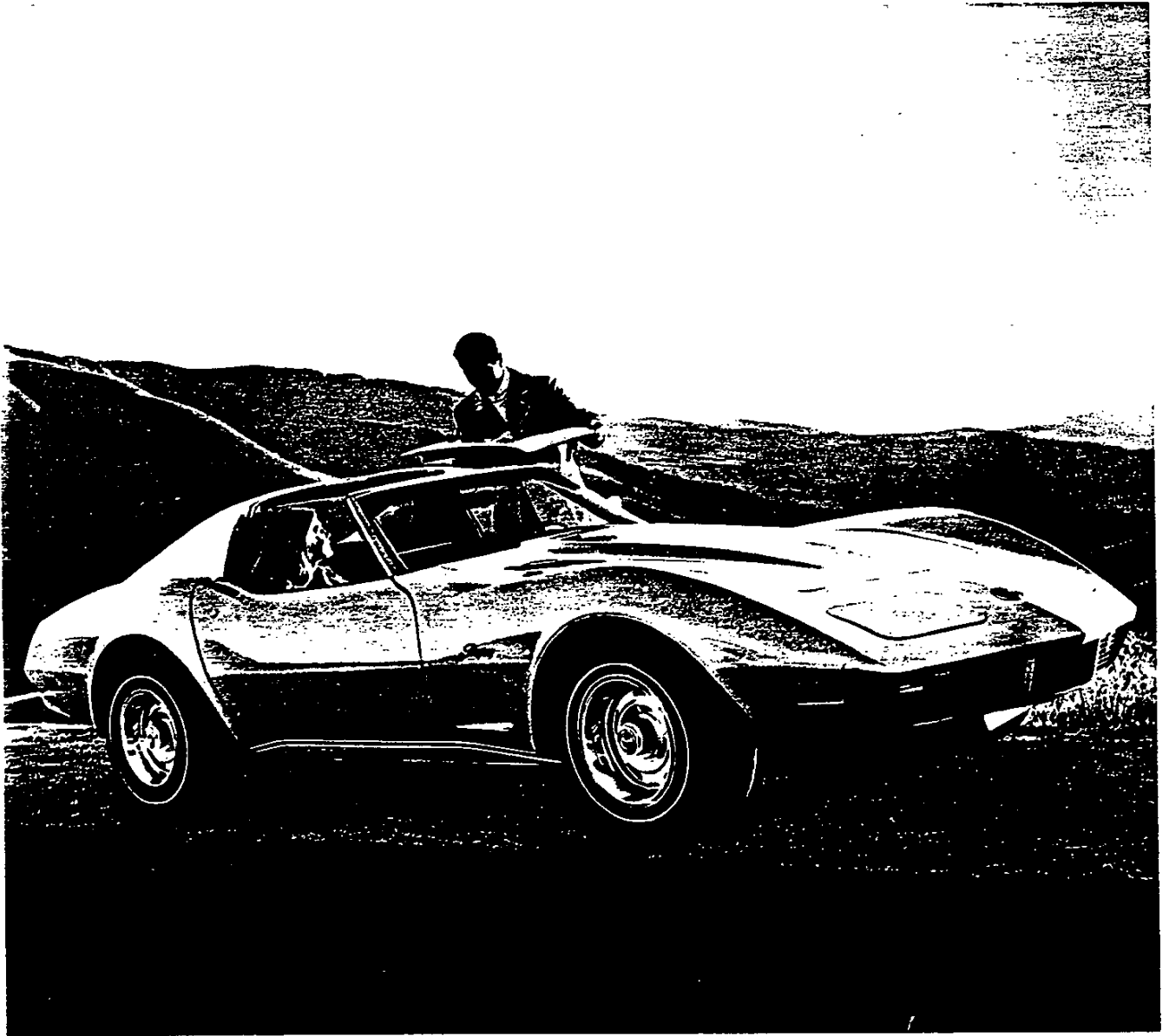
# Corvette Features

- Resilient body-color front bumper cover
- Black-finished precision-cast grille and clear lens parking lights
- Retractable headlights
- Bright front and rear license plate frames
- Bright windshield molding
- Air induction hood
- Hide-A-Way windshield wipers with integral washers in wiper arms
- Functional front fender air vents
- Bright roof drip molding on Coupe
- Manually operated folding top on Convertible
- Body sill molding
- Bright wheel trim rings and center caps
- Fixed rear window and removable roof panels on Coupe
- Twin-unit taillights and back-up lights with bright bezels
- Resilient body-colored urethane rear bumper cover and recessed taillights
- Tapered high-back bucket seats with integral head restraints
- Luxurious all-vinyl interior (Custom interior with genuine leather seat panels available at extra cost)
- Special sport-style steering wheel
- Convenient stowage pockets in instrument panel
- Wide-view day/night inside rearview mirror
- Aircraft-type center console
- Rally-type electric clock
- Ammeter, temperature, fuel and oil pressure gauges
- Coolant recovery system
- 7,000-rpm tachometer
- Separate trip odometer
- Seat belt and door ajar warning lights
- Console-mounted parking brake control
- Custom Deluxe color-keyed seat belt (and shoulder belts on Coupe)
- Molded door panels with built-in armrests
- Color-keyed deep-twist carpeting
- Dual courtesy lights with automatic door switches
- Carpeted rear compartment stowage wells
- Concealed convertible top stowage on Convertible

*Appearance features available include: Custom Interior (genuine leather seat panels; plush cut-pile carpeting; special door trim with carpeted lower panels; wood-grain vinyl accents on doors and center console); white stripe tires; white lettered tires.*

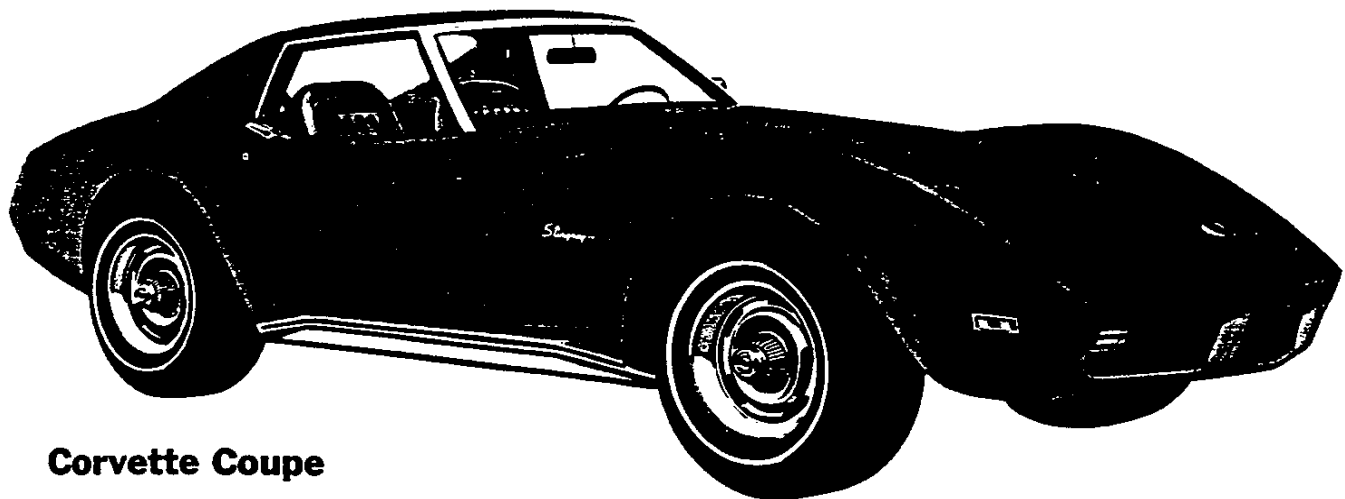


**Corvette Coupe**

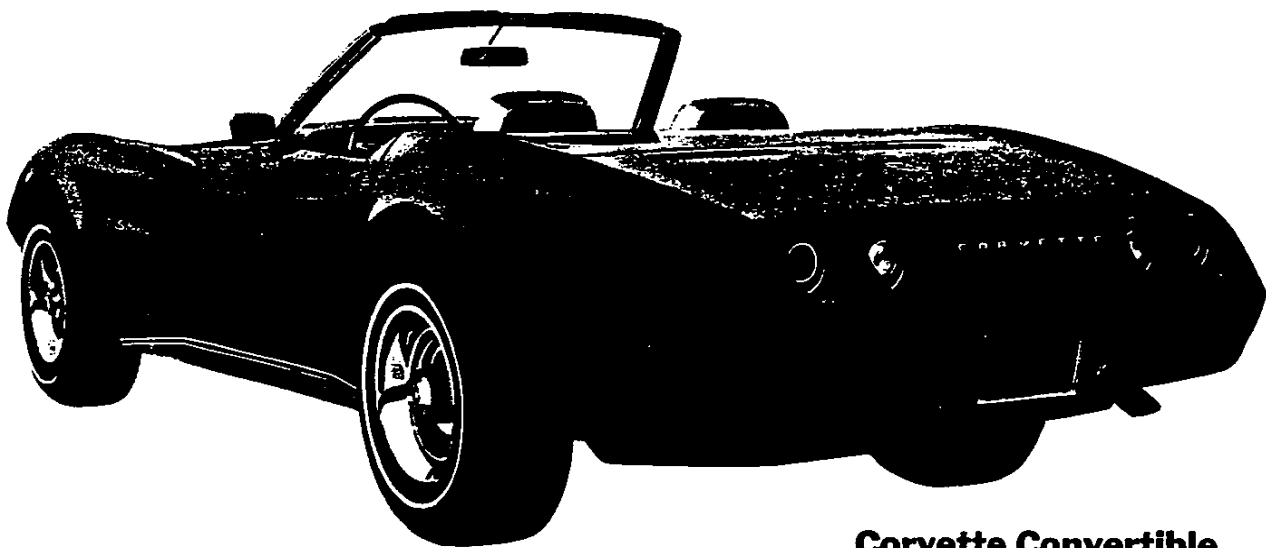


**Corvette Convertible**





**Corvette Coupe**



**Corvette Convertible**



## Corvette Custom Interior

*Available at extra cost. Includes: genuine leather seat panels; plush cut-pile carpeting; special door trim with carpeted lower panels; rich wood-grain vinyl on doors and center console.*



**Corvette Standard Interior**



## Major Features—Standard on 1974 Corvettes

- Resilient body-colored urethane rear bumper cover and recessed taillights
- Power-operated retractable dual headlights
- High-rise fenders with functional air vents
- Tinted glass in all windows
- Recessed outside door handles
- Full door-glass styling
- Wheel trim rings and center caps
- Flow-through ventilation system
- Tapered high-back bucket seats with integral head restraints
- Special sport-styled steering wheel
- Tachometer, ammeter, oil pressure, fuel and temperature gauges
- Separate trip odometer
- Warning lights for seat belt and door ajar
- Console-mounted parking brake control
- Deep twist floor carpeting
- All-vinyl interior trim
- Sequential front seat belt and ignition interlock system
- Rear compartment stowage wells
- Evaporation control system
- Full dual exhaust system
- 4-Speed fully synchronized transmission
- Positraction rear axle
- Delcotron generator
- Sealed side-terminal battery
- Positive-shift starter
- Automatic choke
- Built-in blended-air heater and defroster system
- Side-Guard door beams
- Curved side windows
- Dual-speed electric windshield wipers
- Front lower air spoiler
- Separate spare tire stowage with key lock
- Steel-reinforced fiberglass body
- Built-in anti-theft audio alarm system
- Magic-Mirror acrylic lacquer finish
- Full independent suspension system
- Self-adjusting disc brakes at all four wheels
- GR70-15B steel-belted radial ply blackwall tires
- Wide 15" x 8" wheels

## Safety and Security Features

### Occupant Protection Features

- Two front combination seat and shoulder belts (except Convertible) with pushbutton buckles for driver and passenger (with reminder light and buzzer, inertia reel and starter interlock)
- Two built-in front seat head restraints
- Energy-absorbing steering column
- Passenger-guard door locks
- Safety door latches and hinges
- Folding seat back latches
- Energy-absorbing padded instrument panel
- Contoured windshield header (except Convertible)
- Thick-laminate windshield
- Padded sun visors
- Safety armrests
- Safety steering wheel
- Side-Guard beams
- Fuel tank impact security
- Console door latch impact security
- Smooth-contoured door and window regulator handles

- Soft, low-profile window control knobs
- Pressure lock radiator cap
- High-strength seat anchorages and construction
- Stamped steel door hinges

### Accident Prevention Features

- Side marker lights and reflectors (front side marker lights flash with directional signal)
- Parking lights that illuminate with headlights
- Four-way hazard warning flasher
- Back-up lights
- Lane-change feature in direction signal control
- Windshield defrosters, washer and dual-speed wipers
- Wide-view inside day-night mirror (vinyl-edged, shatter-resistant glass and deflecting support)
- Outside rearview mirror
- Dual master cylinder brake system with warning light
- Starter safety switch
- Improved bumper systems
- Headlight aiming access provision

- Low-glare instrument panel top, inside windshield moldings, wiper arms and blades, and steering wheel metallic surfaces
- Safety wheel rims
- Uniform shift quadrant
- No winged wheel nuts, discs and caps
- Self-adjusting brakes
- Illumination of windshield wiper and washer, heater and defroster controls
- Flame-arresting battery vent caps
- Flame-retardant interior materials

### Anti-Theft Features

- Anti-theft ignition key warning buzzer
- Anti-theft steering column lock
- Inside hood latch release
- Anti-theft key system (one key for ignition only, one key for console and doors, one key for audio alarm system)
- Visible vehicle identification
- Tamper-resistant odometer

**Corvette Standard Interior**



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## Major Features—Standard on 1974 Corvettes

- Resilient body-colored urethane rear bumper cover and recessed taillights
- Power-operated retractable dual headlights
- High-rise fenders with functional air vents
- Tinted glass in all windows
- Recessed outside door handles
- Full door-glass styling
- Wheel trim rings and center caps
- Flow-through ventilation system
- Tapered high-back bucket seats with integral head restraints
- Special sport-styled steering wheel
- Tachometer, ammeter, oil pressure, fuel and temperature gauges
- Separate trip odometer
- Warning lights for seat belt and door ajar
- Console-mounted parking brake control
- Deep twist floor carpeting
- All-vinyl interior trim
- Sequential front seat belt and ignition interlock system
- Rear compartment stowage wells
- Evaporation control system
- Full dual exhaust system
- 4-Speed fully synchronized transmission
- Positraction rear axle
- Delcotron generator
- Sealed side-terminal battery
- Positive-shift starter
- Automatic choke
- Built-in blended-air heater and defroster system
- Side-Guard door beams
- Curved side windows
- Dual-speed electric windshield wipers
- Front lower air spoiler
- Separate spare tire stowage with key lock
- Steel-reinforced fiberglass body
- Built-in anti-theft audio alarm system
- Magic-Mirror acrylic lacquer finish
- Full independent suspension system
- Self-adjusting disc brakes at all four wheels
- GR70-15B steel-belted radial ply blackwall tires
- Wide 15" x 8" wheels

## Safety and Security Features

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- Safety door latches and hinges
- Folding seat back latches
- Energy-absorbing padded instrument panel
- Contoured windshield header (except Convertible)
- Thick-laminate windshield
- Padded sun visors
- Safety armrests
- Safety steering wheel
- Side-Guard beams
- Fuel tank impact security
- Console door latch impact security
- Smooth-contoured door and window regulator handles

- Soft, low-profile window control knobs
- Pressure lock radiator cap
- High-strength seat anchorages and construction
- Stamped steel door hinges

### Accident Prevention Features

- Side marker lights and reflectors (front side marker lights flash with directional signal)
- Parking lights that illuminate with headlights
- Four-way hazard warning flasher
- Back-up lights
- Lane-change feature in direction signal control
- Windshield defrosters, washer and dual-speed wipers
- Wide-view inside day-night mirror (vinyl-edged, shatter-resistant glass and deflecting support)
- Outside rearview mirror
- Dual master cylinder brake system with warning light
- Starter safety switch
- Improved bumper systems
- Headlight aiming access provision

- Low-glare instrument panel top, inside windshield moldings, wiper arms and blades, and steering wheel metallic surfaces
- Safety wheel rims
- Uniform shift quadrant
- No winged wheel nuts, discs and caps
- Self-adjusting brakes
- Illumination of windshield wiper and washer, heater and defroster controls
- Flame-arresting battery vent caps
- Flame-retardant interior materials

### Anti-Theft Features

- Anti-theft ignition key warning buzzer
- Anti-theft steering column lock
- Inside hood latch release
- Anti-theft key system (one key for ignition only, one key for console and doors, one key for audio alarm system)
- Visible vehicle identification
- Tamper-resistant odometer

# 1974 MVMA Specifications Form Passenger Car

<b>Manufacturer</b> Chevrolet Motor Division General Motors Corporation	<b>Car Line</b> CORVETTE	
<b>Mailing Address</b> Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	<b>Model Year</b> 1974	<b>Issued:</b> September, 1973 Revised (•)

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

# MVMA Specifications Form

## Passenger Car

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#### NOTES:

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

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (e) \_\_\_\_\_

**Car And Body Dimensions** See Pages 29 - 31 for SAE Dimension Definitions

SAE Ref. No.	Body Type	
	Sport Coupe	Convertible Soft Top   Hard Top

## Front Compartment

H Point to body "O" line	L31	44.7	
Effective head room	H61	36.2	37.1   36.0
Max. eff. leg room - accelerator	L34	42.1	
H Point to Heel point	H30	6.4	
H Point travel	L17	4.5	
Shoulder room	W3	47.9	
Hip room	W5	48.8	
Upper body opening to ground	H50	43.6	

## Rear Compartment

H Point couple distance	L50		
Effective head room	H63		
Min. effective leg room	L51		
H Point to Heel point	H31		
Min. knee room	L48		
Rear Compartment room	L3		
Shoulder room	W4		
Hip room	W6		
Upper body opening to ground	H51		

NOT APPLICABLE

## Luggage Compartment

Usable luggage capacity (cu. ft.)	V1	6.5	
Liftover height	H195	---	
Position of spare tire storage		In well under body at rear	
Method of holding lid open		---	

## Station Wagon — Third Seat

Shoulder Room	W85		
Hip room	W86		
Effective leg room	L86		
Effective head room	H86		
Seat facing direction			

NOT APPLICABLE

## Station Wagon — Cargo Space

Cargo length at floor - front seat	L202		
Cargo length at belt - front seat	L204		
Cargo width - Wheelhouse	W201		
Opening width at belt	W204		
Maximum cargo height	H201		
Rear opening height	H202		
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2		

NOT APPLICABLE



# MVMA Specifications Form

## Passenger Car

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (●) 1/74

### Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carb.	Compr. Ratio	SAE Net @ RPM			'A'	'B'	'C'
				BHP	Torque				
1YZ37 1YZ67 (Standard) (all states)	● Turbo Fire 350 V8 (L48)	One; 4-bbl	8.5:1	195	275	4-Spd. manual (2.64:1 low)	3.36	3.08	3.36/3.08
				@ 4400	@ 2800				
1YZ37 1YZ67 (Optional) (all states)	● Turbo Fire 350 V8 (L82)	One; 4-bbl	9.0:1	250	285	4-Spd. manual (2.64:1 low)	3.55	3.70	3.55
				@ 5200	@ 4000	4-Spd. manual (2.43:1 low)	3.70	3.55(a)	3.55
						3-Spd. automatic	3.55	3.70	3.55
	● Turbo Jet 454 V8 (LS4)	One; 4-bbl	8.25:1	270	380				
				@ 4400	@ 2800	4-Spd. manual * (2.43:1 low)	3.36(b)	3.08(b)	3.36
						3-Spd. automatic*	3.08	3.36	3.08
* - Optional ** - Positraction standard with all axle applications (a) 3.70 added with RPO Z07 (off the road package) 4.11, 3.55 & 3.36 optional (b) With RPO Z07, 3.55 standard; 3.08 & 3.36 optional A- Standard B- Optional C- Air Conditioning									

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

**Engine Displacement**

V8-350 and V8-454

**Drive Units—Clutch (Manual Transmission)**

Make & type	Chevrolet, single dry-disc semi-centrifugal	
Type pressure plate springs	Circular plate diaphragm, bent finger design	
Total spring load (lb.)	2450-2750	
No. of clutch driven discs	One	
Clutch facing	Material	Woven type asbestos
	Outside & inside dia.	11.00x6.50
	Total eff. area (sq. in.)	123.70
	Thickness	.140
	Engagement cushioning method	Flat spring steel between friction rings
Release bearing	Type & method of lubrication	Single row ball, packed and sealed
Torsional damping	Methods springs friction material	Coil springs

**Drive Units—Transmissions**

Manual 3-speed (std., opt., N.A.)	Not available
Manual 4-speed (std., opt., N.A.)	Standard
Automatic (std., opt., N.A.)	Optional

**Drive Units — Manual Trans.**

Number of forward speeds		<b>4-Speed (a)</b>	<b>4-Speed (b)</b>	
Transmission ratios	In first	2.52:1	2.20:1	
	In second	1.88:1	1.64:1	
	In third	1.46:1	1.27:1	
	In fourth	1.00:1	1.00:1	
	In reverse	2.59:1	2.26:1	
Synchronous meshing, specify gears		All forward gears		
Shift lever location		Floor mounted with console		
Lubricant	Capacity (pt.)	3		
	Type recommended	Meeting Military Specs. MIL-L-2105B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
Extreme cold		SAE 80		

- (a) Available all engine combinations
- (b) Available all engine combinations except V8-350 (Std.)

# MVMA Specifications Form Passenger Car

Car Line CORVETTE

Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

**Engine Displacement**

V8-350 & 454 C.I.

## Drive Units—Automatic Transmission

Trade name		<b>Turbo Hydra-matic</b>
Type (describe)		<b>3-Speed Torque Converter</b>
Selector location		<b>Lever (floor mounted)</b>
Gear Ratios	P	<b>Park</b>
	R	<b>2.08</b>
	N	<b>Neutral</b>
	D	<b>2.48-1.48-1.00</b>
	L2	<b>2.48-1.48</b>
	L1	<b>2.48</b>
Max. upshift speed - drive range		
Max. slowdown speed - drive range		
Torque convertor	Number of elements	<b>3</b>
	Max. ratio at stall	<b>2.10</b>
	Type of cooling (air, liquid)	<b>Water</b>
	Nominal diameter	<b>12.20</b>
Lubricant	Capacity - refill (pt.)	<b>8</b>
	Type recommended	<b>A suffix A</b>
Special transmission features		

## Drive Units—Axle

Type (front, rear)		<b>Rear</b>	
Description		<b>Overhung pinion gear</b>	
Limited Slip differential, type		<b>Disc clutches</b>	
Drive Pinion Offset		<b>1.50</b>	
No. of differential pinions		<b>Two</b>	
Pinion adjustment (shim, other)		<b>None</b>	
Pinion bearing adj. (shim, other)		<b>Shim</b>	
Wheel bearing type		<b>Taper roller</b>	
Lubricant	Capacity (pt.)	<b>4</b>	
	Type recommended	<b>Meeting Military Specs MIL-L-2105B</b>	
	SAE viscosity number	Summer	<b>SAE 80</b>
		Winter	<b>SAE 80</b>
		Extreme cold	<b>SAE 80</b>

## Axle Ratio Tooth Combinations (See page 4 for axle ratio usage)

Axle ratio		<b>3.08</b>	<b>3.36</b>	<b>3.55</b>	<b>3.70</b>
No. of teeth	Pinion	<b>12</b>	<b>11</b>	<b>9</b>	<b>10</b>
	Ring gear	<b>37</b>	<b>37</b>	<b>32</b>	<b>37</b>
Ring Gear O. D.		<b>8.375</b>			

# MVMA Specifications Form

## Passenger Car

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

### Engine Displacement

V8-350 C.I.		V8-454 C.I.
L48	L82	LS4

### Engine — Cooling System

Type system (pressure, pressure vented, atmospheric, other)	<b>Pressure-vented thru coolant recovery system</b>			
Radiator cap relief valve pressure	<b>15± 1 PSI</b>			
Circulation thermostat	Type (choke, bypass)	<b>Choke</b>		
	Starts to open at (°F)	<b>192°-198°</b>	<b>177°-183°</b>   <b>192°-198°</b>	
Water pump	Type (centrifugal, other)	<b>Centrifugal</b>		
	GPM <b>2000</b> pump rpm	<b>22.7</b>	<b>25.8</b>	
	Number of pumps	<b>One</b>		
	Drive (V-belt, other)	<b>V-belt</b>		
	Bearing type	<b>Permanently lubricated double row ball</b>		
By-pass recirculation type (inter., ext.)	<b>Internal</b>		<b>External</b>	
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)	<b>Tube and center Copper-brass crossflow</b>			
Cooling system capacity	With heater (qt.)	<b>19</b>	<b>18</b>   <b>24</b>	
	Without heater (qt.)	<b>-</b>	<b>-</b>   <b>-</b>	
	Opt. equipment-specify (qt.)	<b>19</b>	<b>18</b>   <b>24</b>	
Water jackets full length of cyl. (yes, no)	<b>Yes</b>			
Water all around cylinder (yes, no)	<b>Yes</b>			
Radiator hose	Lower	Number and type (molded, straight)	<b>1.75</b>	<b>1.88</b>
		Inside diameter	<b>One, molded</b>	
	Upper	Number and type (molded, straight)	<b>1.50</b>	
		Inside diameter	<b>One, molded</b>	
	By-pass	Number and type (molded, straight)	<b>None</b>	<b>One, molded</b>
		Inside diameter	<b>None</b>	<b>.725-, .765</b>
	Fan	Number of blades & spacing	<b>5-staggered</b>	
		Diameter	<b>17.50</b>	
		Ratio-fan to crankshaft rev	<b>1.15:1</b>	<b>1.23:1</b>
Fan cutout type		<b>Thermo-modulated viscous-clutch</b>		
Bearing type		<b>Double row ball</b>		
*Drive belts (indicate belt used by letter)	Fan	<b>AB</b>	<b>AB</b>	<b>FG</b>
	Generator or alternator	<b>A</b>	<b>A</b>	<b>F</b>
	Water Pump	<b>AB</b>	<b>AB</b>	<b>FG</b>
	Power Steering	<b>C</b>	<b>C</b>	<b>C</b>
	Air Conditioning	<b>D</b>	<b>D</b>	<b>H</b>
	<b>Air Injection</b>	<b>E(*)</b>	<b>E</b>	<b>I (*)</b>

\* Used with engine/manual trans-all states and engine/auto trans-California

Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of					<b>38°-42°</b>						
Nominal length (SAE)	<b>52.75</b>	<b>32.46</b>	<b>43.50</b>	<b>59.00</b>	<b>32.46</b>	<b>54.00</b>	<b>31.86</b>	<b>45.50</b>	<b>30.50</b>		
Width					<b>.080</b>						

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

		Engine Displacement				
		V8-350 L48 mm <sup>3</sup> trans V8-350 L82&V8 454 All States	V8-350 L48 & 350 L82 V8-454 California only	V8-350 L48 auto trn. All States		
<b>Vehicle Emission Control</b>		except California		except California		
Exhaust Emission Control	Type (Air injection, engine modifications, other)		Air Injection		Engine modification	
	Air Injection Pump	Type	Semi-articulated vane type			
		Displacement	19.3 cubic inch			
		Drive ratio	1.25:1		Controlled	
		Drive type	Crankshaft pulley			
		Relief valve (type)	Diverter valve		Combustion	
		Filter (describe)	Centrifugal air cleaner			
	Air Injection System	Air distribution (head, manifold, etc.)	Manifold		System	
		Point of entry	Exhaust ports			
		Injection tube i.d.	.2700			
		Check valve type	Pressure plate type			
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)		Controlled flow		
		Valve type		Vacuum modulated shut-off and metering valve		
		Valve location		V8-350 right rear and V8-454 left front of manifold		
		Control energy source		Carburetor vacuum		
Exhaust source		Manifold exhaust crossover				
Exhaust cooler type		None				
Orifice no. and size		One; .030				
Other	Point of exhaust injection (spacer, carburetor, manifold, other)		Inlet manifold			
	Carburetor		Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon			
	Heated Air					
	Transmission		Regulates vacuum to distributor vacuum advance to reduce hydrocarbon and oxides of nitrogen emissions			
	Controlled spark (with manual transmission)		in low and intermediate speed ranges			
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Induction system			
			--			
	Control Unit	Make and model		AC Spark Plug - 6487778		
		Location		Rocker cover - 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		

# 1974 MVMA Specifications Form Passenger Car

<b>Manufacturer</b> Chevrolet Motor Division General Motors Corporation	<b>Car Line</b> CORVETTE	
<b>Mailing Address</b> Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	<b>Model Year</b> 1974	<b>Issued:</b> September, 1973 <b>Revised (•)</b> March, 1974

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

# MVMA Specifications Form

## Passenger Car

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#### NOTES:

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

**MVMA Specifications Form**  
**Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

**Car Models**

Model Description	Make, Car line, Series, Body Type (Mfr's Model Code)	Max. Number of Passengers (Front/Rear)
<u>CORVETTE</u>	<u>Model Numbers</u>	<u>Front</u>
2-Door Sport Coupe	1YZ37	2
2-Door Convertible	1YZ67	2

NOTE: ANY SPECIFICATIONS ON THE FOLLOWING PAGES THAT  
 ARE SPECIFIC TO CALIFORNIA REQUIREMENTS ARE  
 INDICATED ACCORDINGLY



# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (•) 3/74

## Car and Body Dimensions See Pages 29 - 31 for SAE Dimension Definitions

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

		Body Type		
SAE Ref. No.		Sport Coupe	Convertible	
			Soft Top	Hard Top
<b>Width</b>				
Tread - Front	W101		58.7	
Tread - Rear	W102		59.5	
Maximum overall car width	W103		69.0	
Body width at No. 2 pillar	W117		66.2	
Max. front doors open	W120		136.5	
Max. rear doors open	W121		---	
<b>Length</b>				
Body "O" to front of dash	L 30		-1.7	
Wheelbase	L101		98.0	
Overall car length	L103		185.5	
Overhang - front	L104		42.8	
Overhang - rear	L105		44.7	
Body upper structure length	L123	57.2	59.8	61.3
Body "O" line to C/L of rear wheel	L127		72.0	
Body "O" line to w/s cowl point	L130		16.5	
<b>Height</b>				
Passenger Distribution (front & rear)	*		2-0	
Trunk Cargo load (lbs.)	*		0	
Overall height	H101	47.7		47.8
Cowl height	H114		36.3	
Deck height	H138			
Rocker panel - front	H112	To ground	7.5	
		From front wheel C/L		
Bottom of front door to ground	H133		9.9	
Rocker panel - rear	H111	To ground	7.5	
		From rear wheel C/L		
Bottom of rear door to ground	H135		---	
Windshield slope angle	H122		57.0	
<b>Ground Clearance</b>				
Bumper to ground - front	H102		12.2	
Bumper to ground - rear	H104		11.7	
Angle of approach	H106		17° 4'	
Angle of departure	H107		17° 54'	
Ramp breakover angle	H147		13° 20'	
Rear axle differential to ground	H153		6.2	
Min. running clearance (Specify)	H156		4.2 (a)	

\*All measurements are made at the stated passenger and trunk/cargo loadings

(a) Exhaust pipe at X-member.

# 1974 MVMA Specifications Form Passenger Car

<b>Manufacturer</b> Chevrolet Motor Division General Motors Corporation	<b>Car Line</b> CORVETTE	
<b>Mailing Address</b> Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	<b>Model Year</b> 1974	<b>Issued:</b> September, 1973 <b>Revised (•)</b> January, 1974

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# MVMA Specifications Form

## Passenger Car

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**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

**Car Models**

Model Description	Make, Car line, Series, Body Type (Mfg's Model Code)	Max. Number of Passengers (Front/Rear)
<u>CORVETTE</u>	<u>Model Numbers</u>	<u>Front</u>
2-Door Sport Coupe	1YZ37	2
2-Door Convertible	1YZ67	2

**NOTE: ANY SPECIFICATIONS ON THE FOLLOWING PAGES THAT  
 ARE SPECIFIC TO CALIFORNIA REQUIREMENTS ARE  
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# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (•)

## Car and Body Dimensions See Pages 29 - 31 for SAE Dimension Definitions

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

SAE Ref. No.	Body Type	
	Sport Coupe	Convertible Soft Top   Hard Top

### Width

Tread - Front	W101	58.7
Tread - Rear	W102	59.5
Maximum overall car width	W103	69.0
Body width at No. 2 pillar	W117	66.2
Max. front doors open	W120	136.5
Max. rear doors open	W121	---

### Length

Body "O" to front of dash	L 30	-1.7		
Wheelbase	L101	98.0		
Overall car length	L103	185.5		
Overhang - front	L104	42.8		
Overhang - rear	L105	44.7		
Body upper structure length	L123	57.2	59.8	61.3
Body "O" line to C/L of rear wheel	L127	72.0		
Body "O" line to w/s cowl point	L130	16.5		

### Height

Passenger Distribution (front & rear)	*	2-0	
Trunk/Cargo load (lbs.)	*	---	
Overall height	H101	47.7	47.8
Cowl height	H114	36.3	
Deck height	H138		
Rocker panel - front	To ground From front wheel C/L	H112'	7.5
Bottom of front door to ground	H133	9.9	
Rocker panel - rear	To ground From rear wheel C/L	H111	7.5
Bottom of rear door to ground	H135	---	
Windshield slope angle	H122	57.0	

### Ground Clearance

Bumper to ground - front	H102	12.2
Bumper to ground - rear	H104	11.7
Angle of approach	H106	17° 4'
Angle of departure	H107	17° 54'
Ramp breakover angle	H147	13° 20'
Rear axle differential to ground	H153	6.2
Min. running clearance (Specify)	H156	4.2 (a)

\*All measurements are made at the stated passenger and trunk/cargo loadings

(a) Exhaust pipe at X-member.

# MVMA Specifications Form

## Passenger Car

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

### Car And Body Dimensions See Pages 29 - 31 for SAE Dimension Definitions

SAE Ref. No.	Sport Coupe	Body Type	
		Soft Top	Convertible Hard Top

#### Front Compartment

H Point to body "O" line	L31		44.7	
Effective head room	H61	36.2	37.1	36.0
Max eff. leg room - accelerator	L34		42.1	
H Point to Heel point	H30		6.4	
H Point travel	L17		4.5	
Shoulder room	W3		47.9	
Hip room	W5		48.8	
Upper body opening to ground	H50		43.6	

#### Rear Compartment

H Point coupe distance	L50			
Effective head room	H63			
Min effective leg room	L51			
H Point to Heel point	H31			
Min knee room	L48			
Rear Compartment room	L3			
Shoulder room	W4			
Hip room	W6			
Upper body opening to ground	H51			

NOT APPLICABLE

#### Luggage Compartment

Usable luggage capacity (cu. ft.)	V1		6.5	
Liftover height	H195		---	
Position of spare tire storage			In well under body at rear	
Method of holding lid open			---	

#### Station Wagon — Third Seat

Shoulder Room	W85			
Hip room	W86			
Effective leg room	L86			
Effective head room	H86			
Seat facing direction				

NOT APPLICABLE

#### Station Wagon — Cargo Space

Cargo length at floor - front seat	L202			
Cargo length at belt - front seat	L204			
Cargo width - Wheelhouse	W201			
Opening width at belt	W204			
Maximum cargo height	H201			
Rear opening height	H202			
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2			

NOT APPLICABLE

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

## Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carb.	Compr. Ratio	SAE Net @ RPM			'A'	'B'	'C'
				BHP	Torque				
1YZ37 1YZ67 (Standard) (all states)	Turbo- Fire 350 V8 (L48)	One; 4-bbl	8.5:1	195	275	4-Spd. manual (2.52:1 low)	3.36	3.08	3.36/3.08
				@ 4400	@ 2800	3-Spd. automatic	3.08	3.36	3.08/3.36
1YZ37 1YZ67 (Optional) (all states)	Turbo- Fire 350 V8 (L82)	One; 4-bbl	9.0:1	250	285	4-Spd. manual (2.52:1 low)	3.55	3.70	3.55
				@ 5200	@ 4000	4-Spd. manual (2.20:1 low)	3.70	3.55(a)	3.55
						3-Spd. automatic	3.55	3.70	3.55
	Turbo- Jet 454 V8 (LS4)	One; 4-bbl	8.25:1	270	380	4-Spd. manual (2.52:1 low)	3.08	3.36	3.08
				@ 4400	@ 2800	4-Spd. manual * (2.20:1 low)	3.36(b)	3.08(b)	3.36
						3-Spd. automatic*	3.08	3.36	3.08
* - Optional ** - Positraction standard with all axle applications (a) 3.36 added with RPO Z07 (off the road package) (b) With RPO Z07, 3.55 standard; 3.36 option added A- Standard B- Optional C- Air Conditioning									

**MVMA Specifications Form**  
**Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Engine Displacement

L48	V8-350 C.I.	L82	V8-454 C.I. LS4
-----	-------------	-----	--------------------

**Engine — General**

Type, no. cyls., valve arr	90° OHV		
Bore and stroke (nominal)	4.00x3.48	4.251x4.00	
Piston displacement, cu. in.	350	454	
Bore spacing (C/L to C/L)	4.40	4.84	
No. system (front to rear)	L. Bank	1-3-5-7	
	R. Bank	2-4-6-8	
Firing Order	1-8-4-3-6-5-7-2		
Cylinder Head Material	Cast alloy iron		
Cylinder Block Material	Cast alloy iron		
Cyl. Sleeve-Wet, dry none	None		
Number of mtg. points	Front	Two	
	Rear	One	
Engine installation angle	3°		
Taxable horsepower	51.2	57.8	
Recommended fuel regular — premium	Unleaded or low lead		
Cylinder Head Volume (cc)	75.47	115.33	
Head Gasket Thickness (Compressed)	.021	.028	
Head Gasket Volume (cc)	4.58	7.10	
Deck Clearance <del>nominal</del> (above or below block)	.026 (below)	.020 (below)	
Minimum Combustion Chamber Volume (cc)	74.47	114.33	

**Engine — Pistons**

Material:	Cast alum. alloy	Alum. impact extruded	Cast alum. alloy
Description and finish	Sump head; slipper skirt	Flat head, notched; slipper skirt	Flat head; valve cutout
Weight (piston only) oz.	26.02	26.02	25.94
Clearance (limits)	Top land	.0235-.0325	.0270-.0330
	Skirt	.0007-.0017 (a)	.0018-.0028 (b)
Ring groove diameter	Top	.0046-.0056 (a)	
	Bottom	.0018-.0028 (b)	
	No. 1 ring	3.546-3.556	
	No. 2 ring	3.770-3.780	
	No. 3 ring	3.582-3.592	
		3.803-3.813	

- (a) Measured 1.56 from top of piston
- (b) Measured 1.65 from top of piston



**MVMA Specifications Form  
Passenger Car**

Car Line **CORVETTE**  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Engine Displacement		
L48	V8-350 C.I. L82	V8-454 C.I. LS4

**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 - <b>Upper</b> material, coating, etc.	Cast alloy iron; barrel face (a)	
	<b>Lower</b>	Cast alloy iron; inside bevel; tapered face (b)	
	Width	(c)	(d)
	Gap	Upper .010-.020; lower .013-.025	
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails - steel, chrome plated OD; Expander - stainless steel	
	Width	.1850-.1870	.1855-.1875
	Gap	.015-.055	.010-.030
	Expanders	In oil ring assembly	

**Engine - Piston Pins**

Material	Chromium steel		
Length	2.990-3.010		2.930-2.950
Diameter	.9270-.9273		.9895-.9898
Type	Locked in rod, in piston floating etc.	Locked in rod	
	Bushings	In rod or piston	None
		Material	
Clearance	In piston	.00015-.00025	.00045-.00055
	In rod		.00030-.00040
Direction & amount offset in piston	Major thrust side .060	None	Major thrust side .060

**Engine - Connecting Rods**

Material	Drop forged steel		
Weight (oz.)	20.80		27.84
Length (center to center)	5.695-5.705		6.130-6.140
Bearing	Material & Type	Premium aluminum	
	Overall length	.797	.847
	Clearance (limits)	.0013-.0035	.0009-.0025
	End Play	.008-.014	.015-.023

- (a) Chrome plated on L48, molybdenum inlay on L82 & LS4, also graphite impregnated on LS4.  
 (b) Wear resistant coating; Chrome plating on V8-454  
 (c) Upper .0775-.0780; lower .0770-.0780  
 (d) Upper .0770-.0780; lower .0775-.0780

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Engine Displacement		
L48	V8-350 C.I.	V8-454 C.I.
	L82	LS4

**Engine—Crankshaft**

Material		Cast nodular iron	Forged steel	Cast nodular iron	
Vibration damper type		Rubber mounted inertia			
End thrust taken by bearing (No.)		5			
Crankshaft end play		.002-.007		.006-.010	
Main bearing	Material & type	Premium aluminum			
	Clearance	(a)		(b)	
	Journal dia and bearing overall length	No. 1	2.4502x.752	2.7499x.922	
		No. 2	2.4502x.752	2.7504x.992	
		No. 3	2.4502x.752	2.7504x.992	
		No. 4	2.4502x.752	2.7504x.992	
		No. 5	2.4508x1.180	2.7505x1.256	
		No. 6	None		
No. 7		None			
Dir & amt. cyl. offset		None			
No bolts/main brg. cap		10 bolts/5 caps	16 bolts/5 caps	10 bolts/5 caps	
Crankpin journal diameter		2.099-2.100		2.199-2.200	

**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		Steel sprocket		
	Camshaft gear or sprocket material		Nylon teeth with aluminum hub		
	Timing chain	No. of links	46		50
		Width	.625		.750
Pitch		.500		.500	

- (a) No. 1 - .0008-.0020
- No. 2, 3 & 4 - .0011-.0023
- No. 5 - .0017-.0033
- (b) No. 1 - .0007-.0019
- No. 2, 3 & 4 - .0013-.0025
- No. 5 - .0019-.0035

# MVMA Specifications Form

## Passenger Car

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

### Engine Displacement

V8-350 C.I.		V8-454 C.I.
L48	L82	LS4

### Engine—Valve System

Hydraulic lifters (Std. opt. NA)		Standard			
Valve rotator type (intake, exhaust)		Exhaust		None	
Rocker ratio		1.50:1		1.70:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero			
	Exhaust	Zero			
Timing (based on top of ramp points)	Intake	Opens (°BTC)	28° (44°)	52°	55°
		Closes (°ABC)	72° (96°)	114°	111°
		Duration (deg.)	280° (320°)	346°	346°
	Exhaust	Opens (°BBC)	78° (88°)	98°	105°
		Closes (°ATC)	30° (66)	62°	63°
		Duration (deg.)	288° (334°)	340°	348°
Valve open overlap (deg.)		58° (110°)	114°	118°	
Material		Alloy steel (aluminized face & head on V8-454)			
Overall length		4.870-4.889		5.215-5.235	
Actual overall head dia.		1.935-1.945	2.017-2.023	2.060-2.070	
Angle of seat & face (deg.)		46°-seat, 45°-face			
Seat insert material		None			
Stem diameter		.3410-.3417		.3715-.3722	
Stem to guide clearance		.0010-.0027			
Intake	Lift (w/ zero lash)		.3900 (.4006)	.4500	.4400
	Outer spring press & length	Valve closed (lb. @ in.)	76-84 @ 1.70		74-86 @ 1.88
		Valve open (lb. @ in.)	194-206 @ 1.25		288-312 @ 1.38
	Inner spring press & length	Valve closed (lb. @ in.)	Spring damper		
		Valve open (lb. @ in.)	Spring damper		
	Material		High alloy steel, aluminized face (a)		
Overall length		4.913-4.933	4.891-4.910	5.345-5.365	
Actual overall head dia.		1.495-1.505	1.595-1.605	1.715-1.725	
Angle of seat & face (deg.)		46°-seat, 45°-face			
Seat insert material		None			
Stem diameter		.3410-.3417		.3713-.3720	
Stem to guide clearance		.0010-.0027			
Exhaust	Lift (w/ zero lash)		.4100 (.4100)	.4600	.4400
	Outer spring press & length	Valve closed (lb. @ in.)	76-84 @ 1.61	76-84 @ 1.70	74-86 @ 1.88
		Valve open (lb. @ in.)	194-206 @ 1.16	194-206 @ 1.25	288-312 @ 1.38
	Inner spring press & length	Valve closed (lb. @ in.)	Spring damper		
		Valve open (lb. @ in.)	Spring damper		

Note: Data bracketed ( ) Pertains to engines used in California.  
 (a) Head also aluminized on V8-454

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Engine Displacement		
V8-350 C.I.		V8-454 C.I.
L48	L82	LS4

**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 (lb. @ engine rpm)	32-40 @ 2000 RPM	42-46 @ 2000 RPM	
Oil press sending unit (elect. or mech.)	Electric		
Type of intake (floating, stationary)	Stationary		
Oil filter system (full flow, part., other)	Full flow		
Filter replacement (element, complete)	Complete		
Capacity of oil case less filter-refill (qt.)	4	5	
Oil grade recommended (SAE viscosity and temperature range)	20° F and above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50. 0° to 60° F - 10W, 5W-30, 10W-30, 10W-40 Below 20° F - 5W-20, 5W-30		
Engine service reqmt. (SD, SE, etc.)	SE		

**Engine — Exhaust system**

Type (single, single with cross-over, dual, other)	Dual		
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two, reverse flow & two resonators		
Exhaust pipe dia. (O.D., wall thick.)	Branch (b)	2.00x.072 (a)	2.25x.084 (a)
	Main	2.00x.083 (a)	2.50x.082 (a)
Tail pipe dia. (O.D. & wall thickness)	2.25x.062		

- (a) Laminated
- (b) Pipe-resonator to muffler

**MVMA Specifications Form**  
**Passenger Car**

Car Line **CORVETTE**  
 Model Year **1974** Issued **9-73** Revised (•) \_\_\_\_\_

Engine Displacement	
V8-350 C.I. L48	V8-454 C.I. LS4

**Engine — Fuel System**

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

Induction type: Carburetor, fuel injection supercharger.		<b>Carburetor</b>		
Fuel Tank	Refill capacity (U. S. gals.)	<b>18 approximately</b>		
	Filler location	<b>Center of rear deck</b>		
Fuel Pump	Type (elec. or mech.)	<b>Mechanical</b>		
	Locations	<b>Lower right front of engine</b>		
	Pressure range *	<b>7.50-9.00 PSI</b>		
Vacuum booster (std., optional, none)		<b>None</b>		
Fuel Filter	Type	<b>Fine mesh plastic strainer in gas tank and paper filter element in carburetor inlet</b>		
	Locations			
Carburetor	Choke type	<b>Automatic</b>		
	Intake manifold heat control (exhaust or water)	<b>Exhaust</b>		
	Air cleaner type	Standard	<b>Oil wetted paper element</b>	
		Optional	<b>---</b>	
	Idle speed (spec. neutral or drive)	Manual	<b>900</b>	<b>900</b>
Automatic		<b>600</b>	<b>700</b>	<b>600</b>
Idle A/F mix		<b>Not specified</b>		

**Carburetor Supplementary Information**

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
ALL MODELS	350 L48	Manual	Rochester	7044207 (7044507)	One; 4-bbl	1.38 Prim 2.25 Sec
		Automatic		7044206 (7044506)		
	350 L82	Manual	Rochester	7044211	One; 4-bbl	1.38 Prim 2.25 Sec
		Automatic		7044210		
	454 LS4	Manual	Rochester	7044221	One; 4-bbl	1.38 Prim 2.25 Sec
		Automatic		7044225 (7044505)		

NOTE: Data bracketed ( ) pertains to engine application specific to California

\* 1800 RPM at pump outlet

# MVMA Specifications Form

## Passenger Car

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (e) 1/74

### Engine Displacement

V8-350 C. I.		V8-454 C. I.
L48	L82	LS4

### Engine — Cooling System

Type system (pressure vented, atmospheric, other)	Pressure-vented thru coolant recovery system			
Radiator cap relief valve pressure	15± 1 PSI			
Circulation thermostats	Type (choke, bypass)	Choke		
	Starts to open at (°F)	192°-198°	177°-183°	
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 2000 pump rpm	22.7	25.8	
	Number of pumps	One		
	Drive (V-belt, other)	V-belt		
	Bearing type	Permanently lubricated double row ball		
By-pass recirculation type (inter., ext.)	Internal	External		
Radiator core type (cross-flow, vertical, cellular tube and fin, other)	Tube and center Copper-brass crossflow			
Cooling system capacity	With heater (qt.)	17	24	
	Without heater (qt.)	-	-	
	Opt. equipment-specify (qt.)	19	24	
Water jackets full length of cyl. (yes, no)	Yes			
Water all around cylinder (yes, no)	Yes			
Radiator hose	Lower	Number and type (molded, straight)	1.75	1.88
		Inside diameter	One, molded	
	Upper	Number and type (molded, straight)	1.50	
		Inside diameter	One, molded	
	By-pass	Number and type (molded, straight)	None	One, molded
		Inside diameter	None	.725-.765
Fan	Number of blades & spacing	5-staggered		
	Diameter	17.50		
	Ratio-fan to crankshaft rev.	1.15:1	1.23:1	
	Fan cutout type	Thermo-modulated viscous-clutch		
	Bearing type	Double row ball		
*Drive belts (indicate belt used by letter)	Fan	AB	AB	EG
	Generator or alternator	A	A	F
	Water Pump	AB	AB	EG
	Power Steering	C	C	C
	Air Conditioning	D	D	H
	Air Injection	E(*)	E	I (*)

\* Used with engine/manual trans-all states and engine/auto trans-California

*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V					38°-42°						
Nominal length (SAE)	52.75	32.46	43.50	59.00	32.46	54.00	31.86	45.50	30.50		
Width					.080						

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

**Engine Displacement**

V8-350 L48 mm <sup>1</sup> trans V8-350 L82 & V8 454 All States	V8-350 L48 & 350 L82 V8-454 California only	V8-350 L48 auto trans All States
except California		except California

**Vehicle Emission Control**

Type (Air injection, engine modifications, other)		<b>Air Injection</b>	<b>Engine modification</b>	
Air injection Pump	Type	<b>Semi-articulated vane type</b>		
	Displacement	<b>19.3 cubic inch</b>		
	Drive ratio	<b>1.25:1</b>	<b>Controlled</b>	
	Drive type	<b>Crankshaft pulley</b>		
	Relief valve (type)	<b>Diverter valve</b>	<b>Combustion</b>	
	Filter (describe)	<b>Centrifugal air cleaner</b>		
Air injection System	Air distribution (head, manifold, etc.)	<b>Manifold</b>	<b>System</b>	
	Point of entry	<b>Exhaust ports</b>		
	Injection tube i.d.	<b>.2700</b>		
	Check valve type	<b>Pressure plate type</b>		
Exhaust Gas Recirculation System	Backfire protection (type)	<b>Diverter valve</b>		
	Type (controlled flow, open orifice, other)	<b>Controlled flow</b>		
	Valve type	<b>Vacuum modulated shut-off and metering valve</b>		
	Valve location	<b>V8-350 right rear and V8-454 left front of manifold</b>		
	Control energy source	<b>Carburetor vacuum</b>		
	Exhaust source	<b>Manifold exhaust crossover</b>		
	Exhaust cooler type	<b>None</b>		
	Orifice no. and size	<b>One; .030</b>		
Other	Point of exhaust injection (spacer, carburetor, manifold, other)	<b>Inlet manifold</b>		
	<b>Carburetor</b>	<b>Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon</b>		
	<b>Heated Air</b>			
	<b>Transmission</b>	<b>Regulates vacuum to distributor vacuum advance to reduce hydrocarbon and oxides of nitrogen emissions</b>		
	<b>Controlled spark (with manual transmission)</b>	<b>in low and intermediate speed ranges</b>		
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)	<b>Induction system</b>		
	Standard			
	Optional			
	Control Unit	Make and model	<b>AC Spark Plug - 6487778</b>	
		Location	<b>Rocker cover - left front</b>	
		Energy source (manifold vacuum, carburetor, other)	<b>Manifold vacuum</b>	
		Control method (variable orifice, fixed orifice, other)	<b>Variable orifice</b>	
	Complete System	Discharges (to intake manifold, other)	<b>Intake manifold</b>	
		Air inlet (breather cap, other)	<b>Carburetor air cleaner</b>	
		Flame arrestor (screen, other)	<b>Screen</b>	

**MVMA Specifications Form**  
**Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Engine Displacement		
V8-350 L48 mn1 trns. V8-350 L82&V8454 All States except California	V8-350 L48 & 350 L82 V8-454 California only	V8-350 L48 auto trns. All States except California

**Vehicle Emission Control (Continued)**

Evaporative Emission Control	Fuel Tank	Thermal expansion volume (cu ft.)	Approximately 10% of refill capacity
		Pressure relief location (lbs.)	1.1 PSI
		Vacuum relief location (lbs.)	.7 PSI
		Vapor-liquid separator type	Vapor vent pipe
		Vapor vented to (crankcase, cannister, other)	Canister
	Carbu- retor	Vapor vented to (crankcase, cannister, other)	Internally vented
			--
	Vapor Storage	Storage provision (crankcase, cannister, other)	Canister
		Volume (cu. ft.) or capacity (grams)	Approximately 50 grams storage capacity
Control valve type		Controlled by orifices and carburetor throttle body and throttle blade position	



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Car Line CORVETTE  
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**Engine Displacement**

V8-350 C.I. L48   L82	V8-454 C.I. LS4
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**Electrical — Supply System**

Battery	Make and Model		Delco-Remy 1980216	Delco-Remy 1980205	
	Voltage Rtg. & Total Plates		12 volts - 78 plates	12 bolts - 90 plates	
	SAE Designation No.		3250 watts @ 0°F	4000 watts @ 0°F	
	Location				Behind drivers seat in storage compartment
	Terminal grounded				Negative
Generator or Alternator	Make		Delco-Remy		
	Model		1100950		
	Type and rating		Diode rectified with integral regulator - 42 amps.		
	Output at engine idle (neutral)		14-22 amps		
	Ratio—Gen to Crs rev.		2.15:1		
Regulator	Make		Delco-Remy		
	Model		---		
	Type				Micro circuit unit; integral with generator
	Cutout relay	Closing voltage @ generator rpm	None		
		Reverse current to open	None		
	Regulated	Voltage	13.8-14.8 @ 85°F		
		Current	---		
	Voltage test conditions	Temperature	Operating		
Load		3-8 amperes			
Other		None			

**Electrical — Starting System**

Starting Motor	Make		Delco-Remy		
	Model		1108418	1108400	
	Rotation (drive end view)		Clockwise		
Motor Drive	Engagement type				Positive shift solenoid
	Pinion meshes (front, rear)				Rear
	Number of teeth	Pinion		9	9
		Flywheel	Manual	153	168
	Auto.		153	168	
	Flywheel tooth face width	Manual	.4010-.4130	.4100-.4220	
Auto.		.4010-.4130	.4100-.4220		

**MVMA Specifications Form**  
**Passenger Car**

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Engine Displacement

L48	V8-350 C. I.	L82	V8-454 C. I. LS4
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**Electrical — Ignition System — Distributor**

Breaker gap (in.)		.019	
Cam angle (deg.)		29-31	
Brkr. arm tension (oz.)		19-23	28-32
Distributor	Manual	1112247 (1112544)	1112150
	Automatic	1112247	(1112114)
Timing	Manual	8° BTC @ 900 (4° BTC @ 900)	10° BTC @ 800
	Automatic	8° BTC @ 600	8° BTC @ 700

NOTE: Data bracketed ( ) pertains to engines used in California.

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
1112114	0° @ 850-1300	9-13 @ 2400	16-20 @ 4200	0° @ 5-7	18.5-21.5@15
1112150	0° @ 1000-1400	10-14 @ 2200	18-22 @ 5000	0° @ 5-7	13.5-20@12
1112247	0° @ 800-1200	9-13 @ 2400	16-20 @ 4200	0° @ 5-7	13.5-16.5@B.5
1112544	0° @ 850-1200	13-15 @ 2400	20-24 @ 4200	0° @ 5-7	13.5-16.5@B.5

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (e) \_\_\_\_\_

Engine Displacement		
L48	V8-350 C.I.	V8-454 C.I.
	L82	LS4

**Electrical—Ignition System**

Type	Conventional - Std., Opt., N.A.	Standard		
	Transistorized - Std., Opt., N. A.	Not available		
	Other (specify)	None		
Coil	Make	Delco-Remy		
	Model	1115270	1115287	
	Amps	Engine stopped	4.0	
		Engine idling	1.8	
Spark Plug	Make	AC Spark Plug		
	Model	AC R44T		
	Thread (mm)	14		
	Tightening torque (lb. ft.)	15		
	Gap	.033-.038		
Cable	Conductor type	Linen core impregnated with electrical conducting material		
	Insulation type	Rubber with neoprene jacket		
	Spark plug protector	Neoprene		

**Electrical—Suppression**

Locations & type	Non-metallic high tension ignition cables
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**Electrical—Instruments and Equipment**

Speed-ometer	Type	Circular dial with pointer
	Trip odometer (std. opt., N. A.)	Standard
Charge indicator - type		Ammeter
Temperature indicator - type		Electric gage
Oil pressure indicator - type		Bourdon tube gage
Fuel indicator - type		Electric gage
Windshield wiper	Type - Standard	Electric, two-speed
	Type - Optional	None
Windshield washer	Type - Standard	Push-button
	Type - Optional	None
Horn	Type	Vibrator
	Number used	One
	Amp draw (each)	4.5-6.5 @ 12.5 V (low note)
Other		Mechanical tachometer; Anti-theft Alarm; parking brake warning light and brake failure warning light; Restraint system warning light and buzzer.

**MVMA Specifications Form  
Passenger Car**

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (e) 1/74

Engine Displacement

V8-350 and V8-454

**Drive Units—Clutch (Manual Transmission)**

Make & type	Chevrolet, single dry-disc semi-centrifugal	
Type pressure plate springs	Circular plate diaphragm, bent finger design	
Total spring load (lb.)	2450-2750	
No. of clutch driven discs	One	
Clutch facing	Material	Woven type asbestos
	Outside & inside dia.	11.00x6.50
	Total eff. area (sq. in.)	123.70
	Thickness	.140
	Engagement cushioning method	Flat spring steel between friction rings
Release bearing	Type & method of lubrication	Single row ball, packed and sealed
Torsional damping	Methods: springs, friction material	Coil springs

**Drive Units—Transmissions**

Manual 3-speed (std., opt., N.A.)	Not available
Manual 4-speed (std., opt., N.A.)	Standard
Automatic (std., opt., N.A.)	Optional

**Drive Units — Manual Trans.**

Number of forward speeds		4-Speed (a)	4-Speed (b)	
Transmission ratios	In first	2.64:1	2.43:1	
	In second	1.75:1	1.61:1	
	In third	1.33:1	1.23:1	
	In fourth	1.00:1	1.00:1	
	In reverse	2.55:1	2.35:1	
Synchronous meshing, specify gears		All forward gears		
Shift lever location		Floor mounted with console		
Lubricant	Capacity (pt.)	3		
	Type recommended	Meeting Military Specs. MIL-L-2105B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
Extreme cold		SAE 80		

(a) Available all engine combinations except V8-454

(b) Available all engine combinations except V8-350 (Std.)

**MVMA Specifications Form**  
**Passenger Car**

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (●) 1/74

Engine Displacement

V8-350	V8-454
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**Drive Units—Automatic Transmission**

Trade name		Turbo Hydra-matic	
Type (describe)		3-Speed Torque Converter	
Selector location		Lever (floor mounted)	
Gear Ratios	P	Park	
	R	2.08	
	N	Neutral	
	D	2.48-1.48-1.00	
	L2	2.48-1.48	
	L1	2.48	
●	Max. upshift speed - drive range		83
●	Max. kickdown speed - drive range		79
Torque converter	Number of elements		3
	Max. ratio at stall		2.10
	Type of cooling (air, liquid)		Water
	Nominal diameter		12.20
Lubricant	Capacity - refill (pt.)		8
	Type recommended		A suffix A
Special transmission features			

**Drive Units—Axle**

Type (front, rear)		Rear		
Description		Overhung pinion gear		
Limited Slip differential, type		Disc clutches		
Drive Pinion Offset		1.50		
No. of differential pinions		Two		
Pinion adjustment (shim, other)		None		
Pinion bearing adj. (shim, other)		Shim		
Wheel bearing type		Taper roller		
Lubricant	Capacity (pt.)		4	
	Type recommended		Meeting Military Specs MIL-L-2105B	
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
		Extreme cold	SAE 80	

**Axle Ratio Tooth Combinations** (See page 4 for axle ratio usage)

Axle ratio		3.08	3.36	3.55	3.70
No. of teeth	Pinion	12	11	9	10
	Ring gear	37	37	32	37
Ring Gear C/D		8.375			

**MVMA Specifications Form**  
**Passenger Car**

Car Line **CORVETTE**  
 Model Year **1974** Issued **9-73** Revised (•)

Engine Displacement

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**Drive Units—Propeller Shaft**

Number used		<b>One</b>
Type (straight tube, tube-in-tube, internal-external camber, etc.)		<b>Straight tube</b>
Outer diam. x length* x wall thickness	Manual 3-speed trans.	<b>Not available</b>
	Manual 4-speed trans.	<b>2.00x29.90x0.120</b>
	Automatic transmission	<b>2.00x29.50x0.095</b>
Intermediate bearing	Type (plain, anti-friction)	<b>None</b>
	Lubrication (fitting, prepack)	<b>--</b>
Slip Yoke	Type	<b>Yoke</b>
	Number of teeth	<b>27</b>
	Spline O D	<b>1.1750</b>
Universal joints	Make and Mfg. No.	<b>Chevrolet 1330-32T</b>
	Number used	<b>Two</b>
	Type (ball and trunnion, cross)	<b>Cross</b>
	Rear attach. (u-bolt, clamp, etc.)	<b>Strap &amp; Bolt</b>
	Bearing	Type (plain anti-friction)
Lubric. (fitting, prepack)		<b>Pre-pack</b>
Drive taken through (torque tube or arms, springs)		<b>Torque control arms</b>
Torque taken through (torque tube or arms, springs)		<b>Torque control arms</b>

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

**MVMA Specifications Form**  
**Passenger Car**

Car Line CORVETTE  
 Model Year 1974 Issued 9-73 Revised (•) \_\_\_\_\_

Body Type And/Or Engine Displacement, Etc.

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**Drive Units — Tires And Wheels (Standard)**

<b>TIRES</b>	Size, load range, ply	<b>GR70x15B (2+4)</b>		
	Type (bias, radial, etc.)	<b>Steel belted radial</b>		
	Maximum load inflation pressure (cold)	Front	<b>20</b>	
		Rear	<b>20</b>	
Rev./mile @ 45 mph		<b>752</b>		
<b>WHEELS</b>	Type & material	<b>Short spoke spider; steel</b>		
	Rim (size & flange type)	<b>15x8</b>		
	Attachment	Type (bolt or stud)	<b>Stud</b>	
		Circle diameter	<b>4.75</b>	
		Number & size	<b>5 hex nuts 7/16-20 UNF 2-B</b>	
Spare wheel (same or other)		<b>Same</b>		

**Drive Units — Tires And Wheels (Optional)**

Size, load range, ply	<b>Same as above but available in white stripe and/or white lettering</b>		
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size & flange type)			
Size, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size & flange type)			
Size, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size & flange type)			
Size, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size & flange type)			

**Brakes — Parking**

Type of control	<b>Grip handle control</b>		
Location of control	<b>In floor console between seats</b>		
Operates on	<b>Rear wheels</b>		
If separate from service brakes	Type (internal or external)	<b>Internal</b>	
	Drum diameter	<b>6.50</b>	
	Lining size (length x width x thickness)	<b>6.78x1.25x0.175</b>	

(a) Full rated pressures shown—selected tire pressures are contingent on weight of vehicle.

# MVMA Specifications Form Passenger Car

Car Line CORVETTE  
Model Year 1974 Issued 9-73 Revised (●)

Body Type And/Or Engine Displacement

--

## Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	--	
		Rear	--	
	Disc	Front	Standard	
		Rear	Standard	
Self adjusting (std., opt., N.A.)			Standard	
Special Valving	Type (proportion, delay, metering, other)		Metering	
Power Brake (std., opt., N.A.)			Standard	
Booster Type (remote, integral, etc.)			Internal	
Effective area (sq. in.)*			74.92	
Gross lining area (sq. in.)**			86.30	
Swept area (sq. in.)***			639.4	
Effectiveness		Front	Controlled by valving	
		Rear	Controlled by valving	
Drum	Diameter (nominal)	Front	--	
		Rear	--	
	Type and material		--	
Rotor	Outer working diameter		11.75	
	Inner working diameter		8.0	
	Thickness		1.25	
	Material & type (vented/solid)		Cast iron, vented	
Wheel cylinder bore	Front		1.875	
	Rear		1.375	
Master Cylinder	Bore		1.00	
	Stroke		1.10 standard; 1.14 w/power brakes	
Pedal arc ratio			5.23 standard; 3.51 w/power brakes	
Line pressure at 100 lb. pedal load			576	
Shoe Clearance	Front		Self adjusting	
	Rear		Self adjusting	
Anti-skid device type (std., opt., N.A.)			Not available	
Brake lining	Bonded or riveted		Riveted	
	Front Wheel	Material		Molded asbestos
		Size (length x width x thickness)	Prim. or out-board	5.96x2.21x0.41
			Second or in-board	5.96x2.21x0.41
		Segments per shoe		One
		Rear Wheel	Material	
	Size (length x width x thickness)		Prim. or out-board	5.96x2.21x0.41
			Second or in-board	5.96x2.21x0.41
	Segments per shoe			

\* Excludes rivet holes, grooves, chamfers, etc.

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

\*\*\* Total swept area for four brakes. (Widest lining contact width for each brake x its contact circumference.)



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**Steering**

Manual (std., opt., NA)		<b>Standard-energy absorbing steering column</b>		
Power (std., opt., NA)		<b>Optional</b>		
Adjustable steering wheel (Std., SA, other)	Type and description	<b>Tilt and telescopic steering wheel; 3" adjustment</b>		
	(std., opt., NA)	<b>Optional</b>		
Wheel diameter	Manual	<b>15.0</b>		
	Power	<b>15.0</b>		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	<b>38.6</b>	
		Curb to curb (l. & r.)	<b>37.0</b>	
	Inside rear	Wall to wall (l. & r.)	<b>--</b>	
		Curb to curb (l. & r.)	<b>--</b>	
Manual	Gear	Type	<b>Semi-reversible, recirculating ball nut</b>	
		Make	<b>Saginaw Steering</b>	
	Ratios	Gear	<b>16.1:1</b>	
		Overall	<b>20.2:1 standard; 17.6:1 fast steering</b>	
No. wheel turns (stop to stop)		<b>3.4 standard; 2.92 fast steering</b>		
Power	Type (coaxial, linkage, etc.)		<b>Linkage, power pump assisted</b>	
	Make		<b>Saginaw Steering</b>	
	Gear	Type	<b>Same as manual</b>	
		Ratios	Gear	<b>16.1:1</b>
			Overall	<b>17.6:1</b>
	Pump driven by		<b>Crankshaft pulley</b>	
No. wheel turns (stop to stop)		<b>2.92</b>		
Linkage	Type		<b>Parallelogram</b>	
	Location (front or rear of wheels, other)		<b>Rear</b>	
	Drag link (trans. or longit.)		<b>None</b>	
	Tie rods (one or two)		<b>Two</b>	
Steering Axis	inclination at camber (deg.)		<b>7.68 @ 5°</b>	
	Bearings (type)	Upper	<b>Ball stud with non-metallic bearing surface</b>	
		Lower	<b>Ball stud with non-metallic bearing surface</b>	
		Thrust	<b>None</b>	
Wht. Align. (range at curb wt. & preferred)	Caster (deg.)		<b>Manual P1±1/2 Power P2-1/4±1/2</b>	
	Camber (deg.)		<b>P3/4±1/2</b>	
	Toe-in (outside track inches)		<b>1/8±1/32</b>	
Steering spindle & joint type			<b>Steering knuckle with spherical joint</b>	
Wheel Spindle	Diameter	Inner bearing	<b>1.37455±.00025</b>	
		Outer bearing	<b>0.84305±.00025</b>	
	Thread size		<b>27/32-20 NEF - 3 (modified)</b>	
	Bearing type		<b>Taper roller</b>	

(a) Rear wheel alignment; Camber N1/2±1/4

Toe-in 3/32 ± 1/32

**MVMA Specifications Form**  
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Body Type And/Or Engine Displacement

--

**Suspension — General**

(See Supplement page for details on Air Suspension)

Provision for car leveling	<b>Front stabilizer shaft</b>	
Provision for brake dip control	<b>Mounting angle at front upper control arm</b>	
Provision for acc. squat control	<b>None</b>	
Special provisions for car jacking	<b>Front: 5" forward of front door opening, under frame Rear: 3" forward of wheel opening, under frame</b>	
Shock absorber front & rear	Type	<b>Direct double acting hydraulic</b>
	Make	<b>Delco</b>
	Piston dia.	<b>1.00</b>
Other special features		

**Suspension — Front**

Type and description	<b>Independent SLA with coil springs</b>	
Travel	Full Jounce	<b>4.36</b>
	Full Rebound	<b>-3.65</b>
Spring	Type (coil, leaf, other)	<b>Coil</b>
	Material	<b>Steel alloy</b>
	Size (coil design height & I.D., bar length x dia.)	<b>10.27 x 3.80; 130.84 x .606</b>
	Spring rate (lb. per in.)	<b>260 (b)</b>
	Rate at wheel (lb. per in.)	<b>97.5 (b)</b>
Stabilizer	Type (link, linkless, frameless)	<b>Link</b>
	Material & bar diameter	<b>0.8125 for V8-350; 0.875 for V8-454</b>

**Suspension — Rear**

Type and description	<b>(a)</b>	
Drive and torque taken through	<b>Torque control arms</b>	
Travel	Full Jounce	<b>3.49</b>
	Full Rebound	<b>3.28</b>
Spring	Type (coil, leaf, other)	<b>Multi-leaf</b>
	Material	<b>Chrome carbon steel</b>
	Size (length x width, coil design height & I.D., bar length & dia.)	<b>48.60 x 2.25</b>
	Spring rate (lb. per in.)	<b>170 (b)</b>
	Rate at wheel (lb. per in.)	<b>134.4 (b)</b>
	Mounting insulation type	<b>Rubber mounted at differential, vertical loading only at shackle</b>
If leaf	No. of leaves	<b>Nine</b>
	Shackle (comp. or tens.)	<b>Tension</b>
Stabilizer	Type (link, linkless, frameless)	<b>Link (c)</b>
	Material & bar diameter	<b>HR steel 0.5625</b>
Track bar type		

- (a) Full independent with fixed differential; transverse multi-leaf spring, lateral struts and universally jointed axle shafts
- (b) For base equipped model, springs are computer selected by size and rate according to vehicle weight including optional equipment
- (c) With V8-454 optional engine

# MVMA Specifications Form

## Passenger Car

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Body Type	
Sport Coupe	Convertible Soft Top   Hard Top

### Frame

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

All welded, full length, ladder constructed frame  
with (5) crossmembers

### Body — Miscellaneous Information

Drs. hinged (front, rr.)	Front doors	Front		
	Rear doors	--		
Type of finish (lacquer, enamel, other)		Lacquer		
Hood counterbalanced (yes, no)		No		
Hood release control (internal, external)		Internal		
Vehicle Indent. No. location		Left-hand windshield pillar		
Engine No. location		Front right side of cylinder block		
Theft protection - type		Lock mounted on steering column locks steering wheel transmission shift lever and ignition anti-theft		
Vent window control method (crank, friction pivot)	Front	None		
	Rear	--		
Seat cushion type	Front	Bucket, polyurethane padding		
	Rear	--		
	3rd seat	--		
Seat back type	Front	Bucket, polyurethane padding		
	Rear	--		
	3rd seat	--		
Windshield glass type (i.e., single curved - laminated plate)		Curved-laminated plate-tinted		
Side glass type (i.e., curved - tempered plate)		Curved-tempered plate-tinted		
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Flat, tempered plate, tinted	Vinyl plastic	Curved, tempered plate
Windshield glass exposed surface area		977.4		
Side glass exposed surface area		800.8		
Backlight glass exposed surface area		392.5	418.0	620.1
Total glass exposed surface area		2170.7	2196.2	2398.3

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Body Type	
Sport Coupe	Convertible

**Convenience Equipment**

Power windows	Side windows	Optional	
	Vent windows	NA	
	Backlight or tailgate	NA	
Power seats (specify type as well as availability)		NA	
Reclining front seat back (R-L or both)		NA	
Radios (specify type as well as availability)		Optional-AM-FM Push-button, AM-FM, FM Stereophonic	
Rear seat speaker		NA	
Power antenna		NA	
Clock		Standard	
Air conditioner (specify type and availability)		Optional-Four-Season (manual control )	
Speed warning device		NA	
Speed control device		NA	
Ignition lock lamp		NA	
Dome lamp		Standard	NA
Glove compartment lamp		Standard	
Luggage compartment lamp		Standard	
Underhood lamp		NA	
Courtesy lamp		Standard	
Map lamp <b>with inside rear view mirror</b>		Optional	
Cornering light lamp		NA	
Rear window defroster electrically heated		NA	
Rear window defogger		Optional	

**Lamp Height And Spacing\***

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	25.86
		Lowest	25.77
	Tail (H126)	Highest	25.10
		Lowest	25.10
	Sidemarker	Front	17.53
		Rear	18.65
Distance from C/L of car to center of bulb	Head lamp	Inside	11.30
		Outside**	18.00
	Tail	Inside	14.34
		Outside	21.74
	Directional	Front	22.52
		Rear	21.74

\*Measured with passenger load and trunk cargo load specified in Car and Body Dimension section

\*\*If single headlamps are used enter here.



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Car Line CORVETTE

Model Year 1974

Issued 9-73

Revised (•) \_\_\_\_\_

**Optional Equipment Weights**

Equipment Differential Weights	WEIGHT (Pounds)			Remarks
	Front	Rear	Total	
Air Conditioning	+ 65	+ 16	+ 81	With V8-350, RPO L48 & L82 Engines
	+ 70	+ 17	+ 87	With V8-454, RPO LS4 Engine
Power windows	+ 4	+ 3	+ 7	
Power brakes	+ 9	+ 1	+ 10	
Power steering	+ 25	+ 1	+ 26	With base engine and RPO L82
	+ 27	+ 1	+ 28	With LS4 engine
Auxiliary Top	+ 10	+ 59	+ 69	
Gymkhana Susp. Frt. & Rr				
Radio AM/FM Stereo.	+ 11	+ 7	+ 18	
Radio AM/FM Push Button	+ 7	+ 7	+ 14	
350 cu. in. V8-L82	+ 11	+ 3	+ 14	
454 cu. in. V8-LS4	+ 178	+ 22	+ 200	
Turbo Hydra-Matic Trans	+ 37	+ 17	+ 54	With L48 & L82 Engines
	+ 31	+ 14	+ 45	With LS4 Engine

**MVMA Specifications Form  
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Body Type

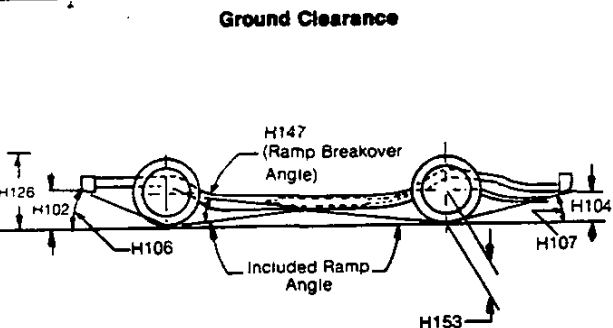
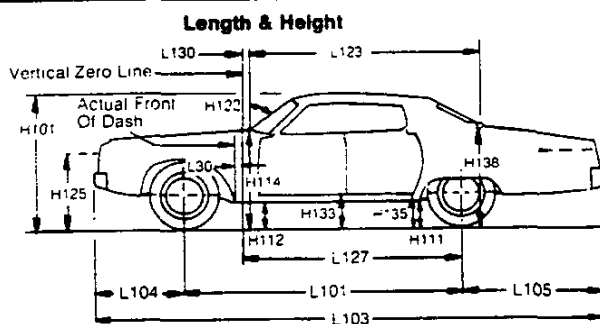
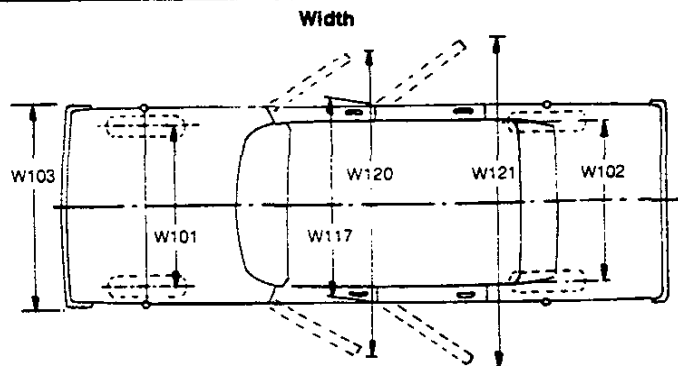
**Vehicle Fiducial Marks**

Fiducial Mark Number	Define Coordinate Location			
Front	X	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.		
	Y	Fiducial Mark to Vertical Body Zero Line - Front, Measured horizontally from the body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.		
	Z	Fiducial Mark to Horizontal Body Zero Line - Front, Measured vertically from body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.		
Rear	X	Fiducial Mark to Centerline of Car - Rear, Width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar.		
	Y	Fiducial Mark to Vertical Body Zero Line - Rear, Measured horizontally from body zero line to the rear fiducial mark located on rear underbody crossbar.		
	Z	Fiducial Mark to Horizontal Body Zero Line - Rear, Measured vertically from body zero line to the rear fiducial mark located on the rear underbody crossbar.		
Fiducial Mark Number	Coordinate Location of Fiducial Mark			Fiducial Mark to Ground at Design
Front	X 27.02	Y 30.91	Z 2.23	Coupe & Convertible 9.59
Rear	X 24.14	Y 88.18	Z 12.62	Coupe & Convertible 19.51

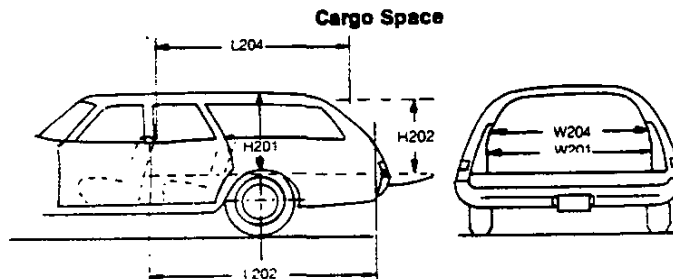
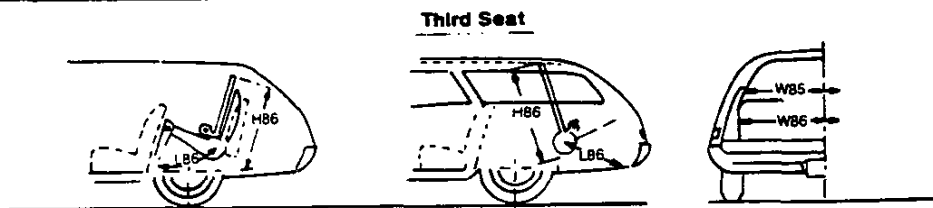
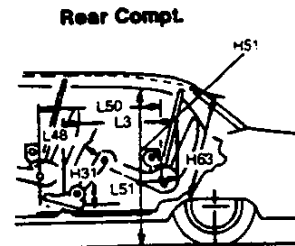
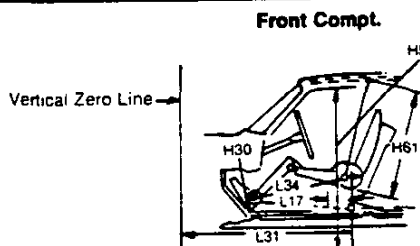
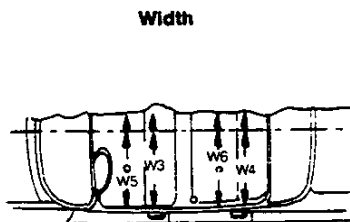
• Reference — SAE Recommended Practice, J182

# MVMA Specifications Form Passenger Car

## Exterior Car And Body Dimensions — Key Sheet



## Interior Car And Body Dimensions — Key Sheet





# MVMA Specifications Form

## Passenger Car

### Exterior Car And Body Dimensions — Key Sheet

#### Dimension Definitions

#### Width Dimensions

- W101 WHEEL TREAD — FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD — REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT NO. 2 PILLAR. Measured across body at No. 2 pillar, excluding hardware and applied moldings.
- W120 MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN is measured to outside of sheet metal with front doors in maximum hold-open position.
- W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN is measured in same manner as W120.

#### Length Dimensions

- L30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (—) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG — FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG — REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

#### Height Dimensions

- H101 OVERALL HEIGHT — DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.

- H112 ROCKER PANEL TO GROUND — FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H133 BOTTOM OF DOOR TO GROUND, CLOSED — FRONT is the same point on the door as H132 dimension, with door closed.
- H111 ROCKER PANEL TO GROUND — REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED — REAR is measured in same manner as H133.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.
- H125 HEADLAMP CENTERLINE TO GROUND is measured vertically to the center of the upper lamp.
- H126 TAILLAMP CENTERLINE is measured vertically from ground to the centerline of the upper bulb.

#### Ground Clearance Dimensions

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

# MVMA Specifications Form Passenger Car

## Interior Car And Body Dimensions — Key Sheet Dimension Definitions

### Front Compartment Dimensions

- L31 H POINT TO VERTICAL ZERO LINE — FRONT. Is a horizontal dimension.
- H61 EFFECTIVE HEAD ROOM — FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.
- H30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3 SHOULDER ROOM — FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.
- W5 HIP ROOM — FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.
- H50 UPPER BODY OPENING TO GROUND — FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

### Rear Compartment Dimensions

- L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H63 EFFECTIVE HEAD ROOM — REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.
- L51 MINIMUM EFFECTIVE LEG ROOM — REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.
- H31 H POINT TO HEEL POINT — REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.
- L48 MINIMUM KNEE ROOM — REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.
- L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W4 SHOULDER ROOM — REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.

- W6 HIP ROOM — REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.
- H51 UPPER BODY OPENING TO GROUND—REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

### Luggage Compartment Dimensions

- V1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

### Station Wagon — Third Seat Dimensions

- W85 SHOULDER ROOM — THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W86 HIP ROOM — THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.
- L86 EFFECTIVE LEG ROOM — THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H86 EFFECTIVE HEAD ROOM — THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

### Station Wagon — Cargo Space Dimensions

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

W4xL204xH201  
1728

# MVMA Specifications Form Passenger Car

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Caster .....	22	Rods — Connecting .....	6
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Clutch — Pedal Operated .....	17	Shock Absorbers, Front & Rear .....	23
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Equipment Availability .....	25	Turning Diameter .....	22
Fan, Cooling .....	11	Unitized Construction .....	24
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Filters — Engine Oil, Fuel System .....	9, 10	Valves — Intake & Exhaust .....	8
Frame .....	24	Vehicle Identification Number .....	24
Front Suspension .....	23	Voltage Regulator .....	14
Fuel, Fuel Pump, Fuel System .....	5, 10, 13	Water Pump .....	11
Fuel Injection .....	10	Weights .....	26, 27
Generator and Regulator .....	14	Wheel Alignment .....	2
Glass .....	24	Wheelbase .....	2
Height (Lamps) .....	25	Wheels & Tires .....	20
Headroom — Body .....	3	Wheel Spindle .....	22
Heights — Car and Body .....	2	Widths — Car and Body .....	2
Horns .....	16	Windshield .....	24
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Ignition System .....	15		
Inflation — Tires .....	20		
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## Corvette Power Teams

	Engine RPO	Positraction rear axle ratios			
			4-Speed Manual		Turbo Hydra-matic RPO M40
			Std.	RPO M21	
Turbo-Fire 350-4	Std.	Standard	3.36	—	3.08
		Performance (RPO G92)	—	—	3.36
		Economy (RPO G95)	3.08	—	—
Turbo-Fire Special 350-4	L82▲	Standard	3.55	3.70*	3.55
		Performance (RPO G92)	3.70†	—	3.70†
		Economy (RPO G95)	—	3.55	—
Turbo-Jet 454-4	LS4■	Standard	3.08	3.36	3.08
		Performance (RPO G92)	3.36	3.55	3.36
		Economy (RPO G95)	—	3.08	—

\*3.55 ratio furnished when air conditioning is ordered. †NA with air conditioning.

▲Special ratios available with Off-Road suspension (RPO Z07): 4.11, 3.70, 3.55 or 3.36.

■Special ratios available with Off-Road suspension (RPO Z07): 3.55, 3.36 or 3.08.

## Engine Specifications

Engine	Turbo-Fire 350-4	Turbo-Fire Special 350-4	Turbo-Jet 454-4
Type	V8	V8	V8
Displacement (cu. in.)	350	350	454
Bore x Stroke (in.)	4.00 x 3.48	4.00 x 3.48	4.25 x 4.00
HP @ RPM	195 @ 4400	250 @ 5200	270 @ 4400
Torque @ RPM	275 @ 2800	285 @ 4000	380 @ 2800
Compression ratio	8.5:1	9.0:1	8.25:1
Carburetion	4-barrel	4-barrel	4-barrel
Exhaust system	dual	dual	dual

Note: Horsepower and Torque ratings are SAE net as installed.

## Transmissions

	Engines	Transmission gear ratios (:1)					Shift selector	
		1	2	3	4	R	Console	
4-Speed Fully Synchronized (Standard)	All	2.52	1.88	1.46	1.00	2.59	X	
4-Speed Fully Synchronized (RPO M21)	L82 and LS4	2.20	1.64	1.27	1.00	2.26	X	
Turbo Hydra-matic (RPO M40)	All	Drive (max.)—5.21:1 to 1:1 Low 2—5.21:1 to 1.48:1 Low 1—5.21:1 to 2.48:1 Reverse—4.37:1 to 2.08:1					X	

## Clutch Details

All Engines	
Clutch type	Semi-centrifugal bent-finger-design diaphragm spring with single dry disc—pearlitic or nodular iron pressure plate
Disc Facing Material	Premium grade woven asbestos
Disc Facing Outside Diameter (in.)	11.00
Disc Facing Total Area (sq. in.)	123.70
Spring Effective Plate Load (lbs.)	2450-2750

## Corvette Selected Options

Description	RPO Number	Coupe	Convertible
Air conditioning—Four-Season.	C60	X	X
Battery, heavy-duty. Included when Turbo-Jet 454-4 engine is ordered	UA1	X	X
Belts, Custom Deluxe shoulder. Driver and passenger	A85	Std.	X
Brakes, power. Included with RPO Z07	J50	X	X
California emission equipment	YF5	X	X
Defogger, rear window (forced-air)	C50	X	X
Horns, dual	U05	X	X
Map light. Mounted on inside rearview mirror	UF1	X	X
Off-road package. Available with optional engines and M21 4-speed transmission only. Includes Gymkhana suspension and power brakes	Z07	X	X
Radio equipment. Includes 30" fixed height rear antenna			
AM/FM Radio	U69	X	X
AM/FM/Stereo Radio	U58	X	X
Roof cover, vinyl. Black—with auxiliary hardtop only	C08	NA	X
Steering, power—variable-ratio	N41	X	X
Steering wheel, tilt-telescopic	N37	X	X
Suspension; Gymkhana. Included with off-road package	FE7	X	X
Top, auxiliary. Hardtop—in addition to folding top	C07	NA	X
Top, folding; manually operated; available with all exterior colors			
Black	BB	NA	X
White	AA	NA	X
Trim, Custom interior. Includes leather-vinyl seat trim, special cut-pile carpeting, door trim panels with simulated wood-grained accents and lower carpeting plus console with simulated wood-grained accents	...	X	X
Windows, power	A31	X	X
<b>Tires</b>			
GR70-15B steel belted radial ply white stripe	QRM	X	X
GR70-15B steel belted radial ply white lettered	QRZ	X	X

NA—Not Available

# Corvette Interior Trim Chart

**PLEASE NOTE:** The exterior and interior combinations for solid color paint shown in the chart below have been established as the combinations that would be attractive to the average customer. Orders for

non-recommended solid color exterior and interior trim combinations on the Coupe model may be submitted, provided the dealer initials the appropriate order form block as verification that the requested

combination is definitely desired.

This procedure does not apply to the Convertible model as combinations shown are the only combinations that have been approved.

			INTERIOR TRIM									
			Black		Blue (Dark)	Neutral (Light)	Red (Dark)	Saddle (Medium)		Silver		
			Vinyl	Custom Interior	Vinyl	Vinyl	Vinyl	Vinyl	Custom Interior	Vinyl	Custom Interior	
COUPE OR CONVERTIBLE			Bucket seat	VBB2	XBB2	VDD2	VNN2	VHH2	VSS2	XSS2	VYY2	XY2
<b>Exterior Body Color Code:</b>			Lower	Upper								
Blue, Corvette Med. (Metallic)	22	22	X		X							X
Brown, Dark (Metallic)	68	68	X			X			X			X
Gray, Corvette (Metallic)	17	17	X		X	X	X		X			X
Green, Dark (Metallic)	48	48	X			X			X			X
Orange, Corvette (Metallic)	80	80	X			X			X			X
Red, Mille Miglia	76	76	X			X	X		X			X
Red, Medium (Metallic)	74	74	X			X	X		X			X
Silver Mist, Corvette (Metallic)	14	14	X		X		X		X			X
White, Classic	10	10	X		X	X	X		X			X
Yellow, Bright Corvette	56	56	X			X			X			X

## Vinyl Roof Cover — RPO CO8 (with auxiliary hardtop only)

Vinyl roof color	Code	Exterior color availability
Black	BB	All Exterior Colors

CONVERTIBLE TOP COLORS: Choice of white (AA) or black (BB) top available with all exterior colors.

## Corvette Specifications

<b>Exterior Dimensions</b>	<b>Coupe</b>	<b>Convertible</b>
Wheelbase	98.0	98.0
Length (overall)	185.5	185.5
Width (overall)	69.0	69.0
Height (loaded)	47.7	47.8
Front tread	58.7	58.7
Rear tread	59.5	59.5
Minimum ground clearance	4.2	4.2
<b>Interior Roominess</b>		
Head room	36.2	37.1*
Leg room	42.1	42.1
Hip room	48.8	48.8
Shoulder room	47.9	47.9
<b>Luggage Compartment</b>		
Usable luggage space (cu. ft.)	6.5	6.5
<b>Glass Area</b>		
Windshield glass area (sq. in.)	977.4	977.4
Rear window glass area (sq. in.)	392.5	418.0
Total glass area (sq. in.)	2170.7	2196.2
<b>Steering &amp; Tires</b>		
Turning circle—curb-to-curb (ft.)		37.0
Turning circle—wall-to-wall (ft.)		38.6
Steering ratio—std. (overall)		20.2:1
Steering ratio—power (overall)		17.6:1
Standard tire size		GR70-15B
<b>Fuel Capacity &amp; Weight</b>		
Rated fuel tank capacity (gallons)	18	18
Curb weight (lbs.)	3388	3396
Shipping weight (lbs.)	3307	3315

\*With removable hardtop—36.0