1963

CHEVROLET TRUCK SPECIFICATIONS

CHEVROLET ENGINEERING CENTER
ENGINEERING PRODUCT INFORMATION DEPARTMENT
WARREN MICHIGAN

INTRODUCTION

In the automotive industry, a specification is defined as any item in a detailed description of a mechanism. Usually the description is composed of separate specifications in tabular question and answer form.

Specifications of this nature, however, are not required in the manufacture of trucks. All the information necessary for this process is given by the Engineering Department to the manufacturing and assembling plants in the forms of drawings and parts lists. But drawings and parts lists usually are not made available to other people who require information of the vehicle, since these records must be interpreted. Moreover, they and other engineering records are much too numerous or voluminous for convenient reference. Therefore, a special interpretation is made by the Engineering Department in the form of a specifications list or book, the contents of which are determined by the nature of questions people ask the Engineering Department concerning the vehicle.

As has been the experience of most manufacturers, originally the questions asked were few in number and were answered individually at the time they were asked. Through the years, however, many questions were asked quite frequently and, for convenience, the answers were recorded in the form of specifications. Others, which arose because of heightened interest and because of advancements in design, were added from time to time. As commercial vehicles grew into a necessary means of transporting cargo --- as their component units were advanced in design and as new ones were added --- and as manufacturers were forced to make more detailed comparisons of their vehicles with those of their competitors to satisfy an increasingly technically minded public --- more and more questions concerning the various characteristics of vehicles were answered in the form of specifications.

The Chevrolet Engineering Department has always been willing to answer questions of a technical nature concerning Chevrolet products and in the past years has endeavored to anticipate such questions by preparing a specifications book each new model year.

This current book has been prepared to answer all the questions concerning the Chevrolet 1963 trucks that we believe may be asked.

It is intended primarily as a convenient and authoritative source of information for all Chevrolet executives, engineers, sales and service representatives, plant managers, and other personnel who must be in a position to answer such questions, and also as a common source of those Chevrolet specifications that are needed in advertisements, vehicle comparisons, trade publications, license applications and in correspondence with governments, firms, educational institutions, and individuals throughout the world who require a wide variety of information about Chevrolet products for diverse purposes.

A. B. Baake

Director - Engineering
Product Information

ORGANIZATION OF BOOK

Every effort has been made to facilitate the finding of information. The sequence followed in presenting the information is that of the G. M. Uniform Parts Classification major groupings, modified to facilitate usage by the reading majority, who are unacquainted with this classification. The title page for each section lists the subjects in the order in which they occur in that section. The title for each section, such as CHASSIS, is printed at the bottom of each page beside the page number. A detailed index is located at the back of the book.

Tabs are provided for conveniently locating basic sections.

VEHICLES AND EQUIPMENT SPECIFIED

The specifications are those of all standard left drive trucks, light duty forward control units, and school bus chassis which have been designed to be manufactured for the domestic (U. S. A.) open market. Included also are the specifications of the RPO (Regular Production Option) units which are intended for use with these vehicles. All data are for vehicles with regular equipment, except where noted as RPO.

No information is furnished concerning right drive vehicles or equipment manufactured for export, nor any vehicles or equipment built on COPO's (Central Office Production Orders) or any other special orders. Accessories released through the Parts and Accessories Department, however, are listed although specifications are not included.

This book incorporates a supplement which covers light duty forward control models.

Except where noted, all information was derived directly from official Chevrolet Engineering Department drawings, parts lists, and test reports, or was calculated from these records.

ABBREVIATIONS

The data are presented in a condensed tabular form which necessitates the use of abbreviations or symbols in some cases. These are shown on a separate page.

LOCATION OR POSITION OF PARTS

When referring to the location or position of any engine part or vehicle unit, the practice throughout the automotive industry is that such reference is made from the driver seat position. Any views shown or references made, which are contrary to the above rule, are clearly labelled or explained in the text of the specifications.

DIMENSIONS

The dimensions shown are of three types:

Type #1. Those dimensions where very accurate fits are essential in the parts concerned, such as bearing surfaces and splines, and where dimensions usually are expressed on drawings in decimals with very close limits.

Type #2. Those dimensions where accuracy of fit is of less importance, as in structural members such as frame parts, I-beam axles, or in fuel tanks; also, dimensions for the purpose of identification, such as cylinder bore, or diameter of the wheel cylinder piston, where dimensions are expressed in fractions or integers with fractions and to which fairly large tolerances ($\pm$1/64, $\pm$1/32, $\pm$1/16) are applied.

Type #3. Those dimensions, such as wheelbases, ground clearances, body size dimensions, and turning diameters, which are subject to large manufacturing variations.

In this book, the dimensions of type #1 are quoted with limits exactly as on the drawings while the dimensions of types #2 and #3 are quoted without manufacturing tolerances.

Unless specified otherwise all dimensions are in inches.

REVISIONS

The month and year preceded by the word revised will be added to the bottom of all revised pages.

ADDRESS INQUIRIES TO

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Engineering Center
Box 7346 North End Station
Detroit 2, Michigan
Or Call
Jefferson 9-5000, Extension 3007

ABBREVIATIONS AND SYMBOLS

A

AC Spark Plug Division ------ AC
Acting ---------- Act
Adjustment ---------- Adj
After Bottom Center ---------- ABC
After Top Center ---------- ATC
Ampere ---------- Amp
Approximately ---------- Approx
Assembly ---------- Assem
Automatic ---------- Auto
Auxiliary ---------- Aux
Average ---------- Avg

B

Barometric ---------- Bar
Battery ---------- Bat
Bearing ---------- Brg
Before Bottom Center ------ BBC
Before Top Center ---------- BTC
Bolt Circle ---------- BC
Bracket ---------- Brkt
Brake Horsepower ---------- BHP
Bushing ---------- Bush

C

Candle Power ---------- CP
Capacity ---------- Cap
Carburetor ---------- Carb
Cast Iron ---------- CI
Center of Gravity ---------- CG
Change ---------- Chg
Circumference ---------- Circum
Column ---------- Col
Commercial ---------- Comm
Compression ---------- Comp
Connecting ---------- Conn
Continue ---------- Cont
Conventional ---------- Conv
Cubic Feet ---------- Cu Ft
Cubic Inches ---------- Cu In
Cylinder ---------- Cyl

D

Daylight Opening ---------- DLO
Decalcomania ---------- Decal
Designation ---------- Design
Diameter ---------- Dia
Dimension ---------- Dim
Displacement ---------- Displ
Distributor ---------- Distr
Division ---------- Div
Double ---------- Dbl
Double Row ---------- DR
Drawing ---------- Dwg

E

Each ---------- Ea
Effective ---------- Eff
Electric ---------- Elect
Engine ---------- Eng
Equipment ---------- Equip
Equivalent ---------- Equiv
Etcetera ---------- Etc
Exhaust ---------- Exh
Exterior ---------- Ext

F

Factory Optional Accessory - FOA
Fahrenheit ---------- F
Feet ---------- Ft
Feet Per Minute ---------- Ft/Min
Figure ---------- Fig
Foot Pounds ---------- Ft-Lb
Front ---------- Fr

G

Gallon ---------- Gal
Gallons Per Minute ---------- GPM
General Motors ---------- GM
Generator ---------- Gen
Governor ---------- Gov
Gross Combination Weight ---- GCW
Gross Vehicle Weight ---- GVW

H

Heavy Duty ---------- HD
Horsepower ---------- Hp
Hot Rolled ---------- HR
Hour ---------- Hr
Hydraulic ---------- Hyd

I

Identification ---------- Id
Ignition ---------- Ign
Inches ---------- In
Inches Cubed ---------- In^3
Inches to the Fourth Power ---- In^4
Included ---------- Incl
Inside Diameter ---------- ID
Instrument ---------- Inst
Intermediate ---------- Inter

J

Joint ---------- Jt

K

Kilometer ---------- Kilo

L

Laminated Safety Plate ---------- LSP
Left ---------- L
Left Hand ---------- LH
Limited Production Option ---- LPO
Low Cab Forward ---------- LCF
Lubricate ---------- Lub

M

Material ---------- Matl
Maximum ---------- Max
Members ---------- Mbrs
Mercury ---------- Hg
Mile ---------- Mi
Miles Per Hour ---------- MPH
Minutes & Minimum ---------- Min
Miscellaneous ---------- Misc
Model, Modified & Modulus - Mod
Mounting ---------- Mtg

N

Negative ---------- Neg
New Departure ---------- ND
Nominal ---------- Nom
Number ---------- No

O

Odometer ---------- Odom
Operation ---------- Oper
Opposite ---------- Opp
Optional ---------- Opt
Ounce ---------- Oz
Outside Diameter ---------- OD
Overdrive ---------- Od

P

Page ---------- P
Pages ---------- Pp
Passenger ---------- Pass
Piece ---------- Pc
Pint ---------- Pt
Ply Rating ---------- Pr
Pound ---------- Lb
Pounds Per Square Inch ---------- PSI
Power ---------- Pwr
Powerglide ---------- PG
Preliminary ---------- Prelim
Pressure ---------- Press
Product or Production ---------- Prod
Projected ---------- Proj
Propeller ---------- Prop

Q

Quality ---------- Qual
Quantity ---------- Quan
Quart ---------- Qt
Quarter ---------- Qtr

R

Radiator ---------- Rad
Radius & Roller ---------- R
Rear ---------- Rr
Reference ---------- Ref

R (Continued)

Regular & Regulator ---------- Reg
Regular Production Option ---------- RPO
Reinforce & Reinforcement ---------- Reinf
Required ---------- Req'd
Retaining ---------- Ret
Reverse & Revolutions ---------- Rev
Revolutions Per Mile ---------- Rev/Mi
Revolutions Per Minute ---------- RPM
Right ---------- Rt
Rubber ---------- Rub

S

Safety Solid Plate ---------- SSP
Saginaw ---------- Sag
Section ---------- Sect
Sheet ---------- Sh
Single ---------- Sgl
Single Row ---------- SR
Society of Automotive Engineers ---------- SAE
Society of Fuse Engineers ---------- SFE
Specification ---------- Spec
Speedometer ---------- Speedo
Spherical ---------- Spher
Spring ---------- Spr
Square ---------- Sq
Square Inches ---------- Sq. In
Standard ---------- Std
Steel ---------- Stl
Steering ---------- Strg
Suspension ---------- Susp
Symbol ---------- Sym
Symmetrical ---------- Symm

T

Tachometer ---------- Tach
Tandem ---------- Tand
Technical ---------- Tech
Temperature ---------- Temp
Terminal ---------- Term
That Is ---------- ie
Theoretical ---------- Theo
Thick or Thickness ---------- Thk
Thread ---------- Thd
Through ---------- Thru

T (Continued)

Timken ---------- Tim
Tolerance ---------- Tol
Transmission ---------- Trans

U

Universal ---------- Univ

V

Vacuum ---------- Vac
Various ---------- Var
Velocity ---------- Vel
Volt ---------- V
Volume ---------- Vol

W

Watt ---------- W
Weight ---------- Wt
Windshield ---------- W/S
Without ---------- W/O

Y

Yard ---------- Yd
Year ---------- Yr
Yield Point ---------- YP

SYMBOLS

And ---------- &
At ---------- @
By, Times ---------- x
Center Line ---------- ℄
Degrees ---------- o
Divided By ---------- ÷
Inches or Seconds ---------- "
Minus ---------- -
Minutes ---------- '
Number or Pounds ---------- #
Per ---------- /
Per Cent ---------- %
Plus ---------- +
To (Range) ---------- -
To (Ratio) ---------- :

1963 CHEVROLET TRUCK INDEX

A

B

C

DE

FGH

I

I

LMO

PR

S

T

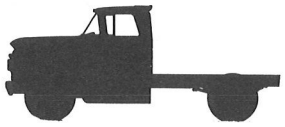
UVW

GENERAL

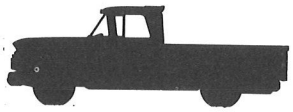
MODEL IDENTIFICATION

	SERIES	WHEELBASE	02	03	04	05	06	09	12	16	34	42	45
	P13	102										•	•
	C14	115	•	•	•	•	•		•	•	•		
1/2-ton	K14	115		•	•	•	•			•	•		
	C15	127		•	•						•		
	K15	127		•	•						•		
	P23	104										•	•
	C25	127	•	•	•			•	•		•		
3/4-ton	K25	127		•	•						•		
	P25	125										•	•
	P26	137										•	•
	P33	104										•	•
1-ton	P35	125										•	•
	C36	133	•	•	•	•		•	•				
	C38	157		•									
3/4-ton	C36S	133	•	•	•	•		•	•				
	C38S	157		•									
1-ton	P36	137										•	•
	C51	133	•	•				•	•				
	C52	145	•	•					•				
	L52	133		•									
1-1/2-ton	C53	157	•	•				•	•				
	L53	145		•				•					
	S53	157	•										
	C55	175	•	•					•				
	L56	175		•									
	C61	133	•	•					•				
	D61	133		•									
	C62	145		•									
	D62	145		•									
	L62	133		•									
	S62	197	•										
	T62	97		•									
	C63	157	•	•					•				
	D63	157		•									
	L63	145		•									
	M63	157		•									
	T63	109		•									
	S64	225-1/2	•										
2-ton	C65	175	•	•					•				
	D65	175		•									
	L65	169		•									
	M65	175		•									
	L66	175		•									
	T66	133		•									
	S67	243	•										
	C68	197		•									
	D68	197		•									
	M68	193		•									
	T68	145		•									
	L69	197		•									
	S69	261-1/2	•										
	T69	175		•									
	C61S	133	•	•					•				
1-1/2-ton	D61S	133		•									
	C62S	145		•									
	D62S	145		•									

Flatface Cowl & School Bus (02)

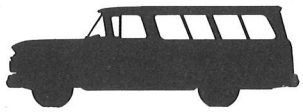


Cab Chassis (03)



Stepside Pickup (04)

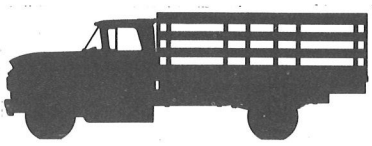
Panel (05)



Suburban Carryall (06 & 16)

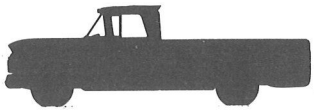
PREFIX CODE

C – Conventional Cab, Body or Chassis
D – Diesel Engine Conventional Cab or Body
E – Diesel Engine LCF Cab Chassis
K – Conventional Cab or Body with Four Wheel Drive Equipment
L – Low Cab Forward Cab Chassis
M – Tandem Axle Cab Chassis
P – Forward Control Type Chassis with or without Body
S – School Bus Chassis
T – Tilt Cab Chassis
U – Diesel Engine Tilt Cab Chassis

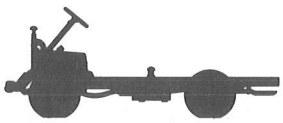


Stake (09)

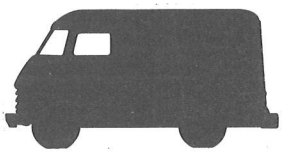
Windshield Cowl (12)



Fleetside Pickup (34)



Forward Control Chassis (42)



Forward Control Panel (45)

SUFFIX CODE

S – 3/4 Ton special rating for vehicles normally rated at 1 ton; or 1-1/2 ton special rating for vehicles normally rated at 2 ton.
H – 2 Ton heavy-duty vehicles.

RATING	SERIES	WHEELBASE	02	03	04	05	06	09	12	16	34	42	45
1-1/2-ton	L62S	133		●									
	T62S	97		●									
	C63S	157	●	●					●				
	D63S	157		●									
	L63S	145		●									
	T63S	109		●									
	C65S	175	●	●					●				
	D65S	175		●									
	L65S	169		●									
	L66S	175		●									
	T66S	133		●									
	C68S	197		●									
	D68S	197		●									
	T68S	145		●									
	L69S	197		●									
	T69S	175		●									
H. D. 2-ton	C61H	133	●	●					●				
	D61H	133		●									
	C62H	145		●									
	D62H	145		●									
	L62H	133		●									
	T62H	97		●									
	C63H	157	●	●					●				
	D63H	157		●									
	L63H	145		●									
	T63H	109		●									
	C65H	175	●	●					●				
	D65H	175		●									
	L65H	169		●									
	L66H	175		●									
	T66H	133		●									
	S67H	243	●										
	C68H	197		●									
	D68H	197		●									
	T68H	145		●									
	L69H	197		●									
	S69H	261-1/2	●										
	T69H	175		●									
2-1/2-ton	C81	133		●									
	C82	145		●									
	E82	133		●									
	L82	133		●									
	T82	97		●									
	U82	97		●									
	C83	157		●									
	E83	145		●									
	L83	145		●									
	M83	156-3/4		●									
	T83	109		●									
	U83	109		●									
	C85	175		●									
	M85	174-3/4		●									
	L86	175		●									
	T86	133		●									
	C88	197		●									
	M88	192-3/4		●									
	T88	145		●									

LOAD CAPACITY CHART

GROSS VEHICLE WEIGHTS FOR 1963 CHEVROLET TRUCKS AND SCHOOL BUS CHASSIS

Model	Wheelbase	Gross Vehicle Weight	Gross Combination Weight	Tires and Equipment						Minimum Mandatory Equipment for GVW Rating
				Front Axle Capacity	Front Spring Capacity	Rear Axle Capacity	Rear Spring Capacity	Recommended Tires		
								Front	Rear	
R1205 R1254	95	4000* 4600§	---	2500	2300	2500	2300	7.00-14-4 7.00-14-6	7.00-14-4 7.00-14-6	
C14 C15	115 127	4100* 4400Ψ 4800 5000§	---	2500	2500	3500	2500 4000	6.70-15-4 7.10-15-4 7.10-15-6 7-17.5-6	6.70-15-4 7.10-15-4 7.10-15-6 7-17.5-6	RPO G50 Rear Spring Equipment.
K14 K15	115 127	4900* 5300 5600§	---	3300	3300	3500	3800	6.70-15-4£ 7.10-15-6 7-17.5-6	6.70-15-4£ 7.10-15-6 7-17.5-6	
C25	127	5500* 6000 6700 7500§	---	3000	2500 3000	5200	4000 6000	7-17.5-6 7-17.5-6 7-17.5-6 8-19.5-6	7-17.5-6 8-17.5-6 8-17.5-8 8-19.5-8	RPO F60 Front Spring and RPO G50 Rear Spring Equipment.
K25	127	5700* 6100 7200 7600§	---	3500	3500	5200	3800 6300	7-17.5-6 8-17.5-6 8-17.5-8 8-19.5-8	7-17.5-6 8-17.5-6 8-17.5-8 8-19.5-8	RPO 254 Rear Spring Equipment. RPO 459 Heavy-Duty Front Axle and RPO 254 Rear Spring Equipment.
P13	102	4300* 5400§	---	2500	2500	3500	2500 4000	6.70-15-4 7-17.5-6	6.70-15-4 7-17.5-6	RPO G50 Rear Spring Equipment.
P20	104 125 137	5600* 6200 7000§	---	4000	4000	5200	4800	7-17.5-6 7-17.5-6 8-17.5-6	7-17.5-6 8-17.5-6 8-17.5-8	
C36S	133	7800th	---	3500	3000	7200	6200	8-19.5-6	8-19.5-10	RPO G50 Rear Spring Equipment.
C36	133	6700* 7800▲ 9000 10000§	---	3500	3000 3500	7200	4800 6200 8300	8-17.5-6 8-19.5-6 7-17.5-6 7-17.5-6	8-17.5-8 8-19.5-10 7-17.5-10D 8-17.5-8D	RPO G50 Rear Spring Equipment RPO G60 Rear Spring Equipment. RPO F60 Front Springs and RPO G60 Rear Spring Equipment.
C38S	157	7800th	---	3500	3000	7200	6200	8-19.5-6	8-19.5-10	RPO G50 Rear Spring Equipment.
C38	157	6700* 7800 9000 10000§	---	3500	3000 3500	7200	4800 6200 8300	8-17.5-6 8-19.5-6 7-17.5-6 7-17.5-6	8-17.5-8 8-19.5-10 7-17.5-10D 8-17.5-8D	RPO G50 Rear Spring Equipment. RPO G60 Rear Spring Equipment. RPO F60 Front Springs and RPO G60 Rear Spring Equipment.
P30	104 125 137	7500* 10000§	---	4000	4000 5000	7200	4800 6900	8-19.5-6 8-19.5-6	8-19.5-6 8-19.5-6D	RPO F60 Front Springs and RPO G60 Rear Spring Equipment.
CL50	133 145 157 175	10000* 12000 14000 15000** 16000§	25000	4000 5000	4000 6000	11000 15000	11000 15000	7-22.5-6 8-22.5-6 8-22.5-8 8-22.5-8	7-22.5-6D 8-22.5-8D 8-22.5-8D 8-22.5-10D	RPO J70 Power Brake Equipment. RPO F47 Front Axle, RPO F60 Front Springs, RPO H15 Rear Axle Equipment including 15,000 lb. Rear Springs, and RPO J70 Brake Booster Equipment.
S50	157	10500* 14000 16000§	---	4500 5500	4000 6000	11000 15000	11000 15000	7-22.5-6 8-22.5-8 8-22.5-10	7-22.5-6D 8-22.5-8D 8-22.5-10D	RPO F47 Front Axle and RPO F60 Front Spring Equipment. RPO F47 Front Axle, RPO F60 Front Springs, RPO H15 Rear Axle Equipment including 15000 lb. Rear Springs, and RPO J70 Brake Booster Equipment.
CL60	133 145 157 169 175 197	15000*th 17000 19500§	32000	5000	6000	15000	15000 17500	8-22.5-8 8-22.5-8 9-22.5-10	8-22.5-8D 9-22.5-10D 10-22.5-10D	RPO G55 Rear Spring Equipment.
D60	133 145 157 175 197	15000*th 17000 19500§	32000	5000	6000	15000	18400 20800	8-22.5-8 8-22.5-8 9-22.5-10	8-22.5-8D 9-22.5-10D 10-22.5-10D	RPO G56 Rear Spring Equipment.
CLD 60H	133 145 157 169 175 197	15000 18500 23000**	42000	7000	7000	17000	20800	8-22.5-8 8-22.5-8 9-22.5-10	8-22.5-8D 9-22.5-10D 10-22.5-10D	RPO Z57 requires the following equipment: RPO F03 Heavy-Duty Frame (Ⅹ). RPO F48 Front Axle Equipment which includes 3500 lb. Front Spring. RPO H16 Rear Axle Equipment, except for Diesels models which use H71 Rear Axle Equipment. @ (RPO J73 Brake Booster Equipment must be used with H16 or H71.) RPO G56 Rear Springs. π
T60†	97 109 133 145	15000*th 17000 19500§	32000	7000	7000	15000	15000 17500	8-22.5-8 8-22.5-8 9-22.5-10	8-22.5-8D 9-22.5-10D 10-22.5-10D	RPO G55 Rear Spring Equipment

GROSS VEHICLE WEIGHTS FOR 1963 CHEVROLET TRUCKS AND SCHOOL BUS CHASSIS

Model	Wheelbase	Gross Vehicle Weight	Gross Combination Weight	Tires and Equipment ¶						Minimum Mandatory Equipment for GVW Rating
				Front Axle Capacity	Front Spring Capacity	Rear Axle Capacity	Rear Spring Capacity	Recommended Tires Front	Recommended Tires Rear	
T60H ϒ	97 109 133 145	15000	42000	7000	7000	17000	20800	8-22.5-8	8-22.5-8D	RPO Z57 specifies that the following equipment must be used: RPO H16 Rear Axle Equipment. (RPO J73 Brake Booster Equipment must be used with H16.) For the 23,000 lb. rating only, RPO F60 Front Springs are required. RPO G56 Rear Sprina Equipment. RPO U92 Wiring Equip.
		18500						8-22.5-8	9-22.5-10D	
		23000**			9000			9-22.5-10	10-22.5-10D	
S62 S64	197 225-1/2	15000*	---	5500	6000	15000	15000	8-22.5-8	8-22.5-8D	
		17000					17500	9-22.5-10	9-22.5-10D	RPO G55 Rear Spring Equipment.
		19500§						10-22.5-10	10-22.5-10D	
		21000**		7000	7000			10-22.5-10	10-22.5-10D	RPO F48 Front Axle Equipment including 3500 lb. Front Springs. RPO G55 Rear Spring Equipment.
S67	243	15000*	---	5500	6000	15000	15000	8-22.5-8	8-22.5-8D	
		17000					17500	9-22.5-10	9-22.5-10D	RPO G55 Rear Spring Equipment
		19500§						10-22.5-10	10-22.5-10D	
		21000**		7000	7000			10-22.5-10	10-22.5-10D	RPO F48 Front Axle Equipment including 3500 lb. Springs. RPO G55 Rear Spring Equipment.
S67H	243	23000**	---	7000	7000	17000	20800	10-22.5-10	10-22.5-10D	RPO Z57 specifies that the following equipment must be used: RPO F48 Front Axle Equipment which includes 3500 lb. Front Springs. RPO H16 Rear Axle Equipment. (RPO J73 Brake Booster Equipment must be used with H16.) RPO G56 Rear Springs. RPO U92 Wiring Equip.
S69	261-1/2	15000*	---	7000	7000	15000	15000	8-22.5-8	8-22.5-8D	
		18000					17500	9-22.5-10	9-22.5-10D	RPO G55 Rear Spring Equipment
		21000§						10-22.5-10	10-22.5-10	
S69H	261	23000**	---	7000	7000	17000	20800	10-22.5-10	10-22.5-10D	RPO Z57 specifies that the following equipment must be used: RPO H16 Rear Axle Equipment. RPO G56 Rear Springs. RPO U92 Wiring Equip.
CLT80 ϒ	97 109 133 145 157 175 197	18500*	51000	7000	7000	18500F	18400	9-22.5-10	9-22.5-10D	
		22000			9000		20800	9-22.5-10	10-22.5-10D	RPO F60 Front Springs and RPO G56 Rear Spring Equipment.
		25000§					23000	10-22.5-10	11-22.5-12D	RPO F60 Front Springs and RPO G58 Rear Spring Equipment.
UE80 ϒ	97 109 133 145	18500*	51000	7000	7000	18500F	20800	9-22.5-10	9-22.5-10D	
		22000			9000			9-22.5-10	10-22.5-10D	RPO F60 Front Spring Equipment
		25000§					23000	10-22.5-10	11-22.5-12D	RPO F60 Front Springs and RPO G58 Rear Spring Equipment.
M80	157 175 193	24000*	51000	7000	9000	30000	34500	8-22.5-8	8-22.5-8D	
		30000						8-22.5-8	9-22.5-10D	
		36000§		9000				9-22.5-10	10-22.5-10D	RPO F67 Front Axle Equipment.

* – Tires shown are included in the base price.
¶ – Minimum equipment and tires are shown for each GVW rating. Extra ply rating and/or oversize tires are available optionally.
§ – GVW rating shown on plate, however, ratings are reduced per the above table when equipment of lesser capacity is used.
Ψ – Base GVW rating for C1406 and C1416 models.
£ – Suburban carryall models require 7.10-15-4 tires.
▲ – Maximum GVW rating for Series C3604 and C3605 models.
ħ – Special RPO GVW plate.
** – RPO GVW plate.
ϒ – Because front axle loading on Tilt cab models could possibly be greater than that of the Conventional or Low Cab Forward models, front end loading should be calculated to ensure that the front suspension capacity is not exceeded. If loading exceeds the rated capacity of the base front suspension, the optional heavy-duty unit must be used.
F – This axle is rated at 18000 pounds for off-road operations.
Ж – RPO F03 heavy-duty frame equipment is required for all Series CL60 models except C6102-12, C6302-12, C6502-12 and L6503.
π – RPO U92 wiring equipment is required for CL60H models.
@ HD Rear springs are included in RPO H71 for Diesel models.

State of Michigan
Oakland County, Michigan

On this 27th day of August, 1962 personally appeared before me, A. C. Mair, known to me as such who makes oath that the data on this sheet are true as represented.

Lenore Gugle
Notary Public, Oakland County, Michigan
My Commission Expires July 9, 1966

August 27, 1962

The data on this sheet are true as represented.
CHEVROLET MOTOR DIVISION
GENERAL MOTORS CORPORATION

A. C. Mair
A. C. Mair
Assistant Chief Engineer

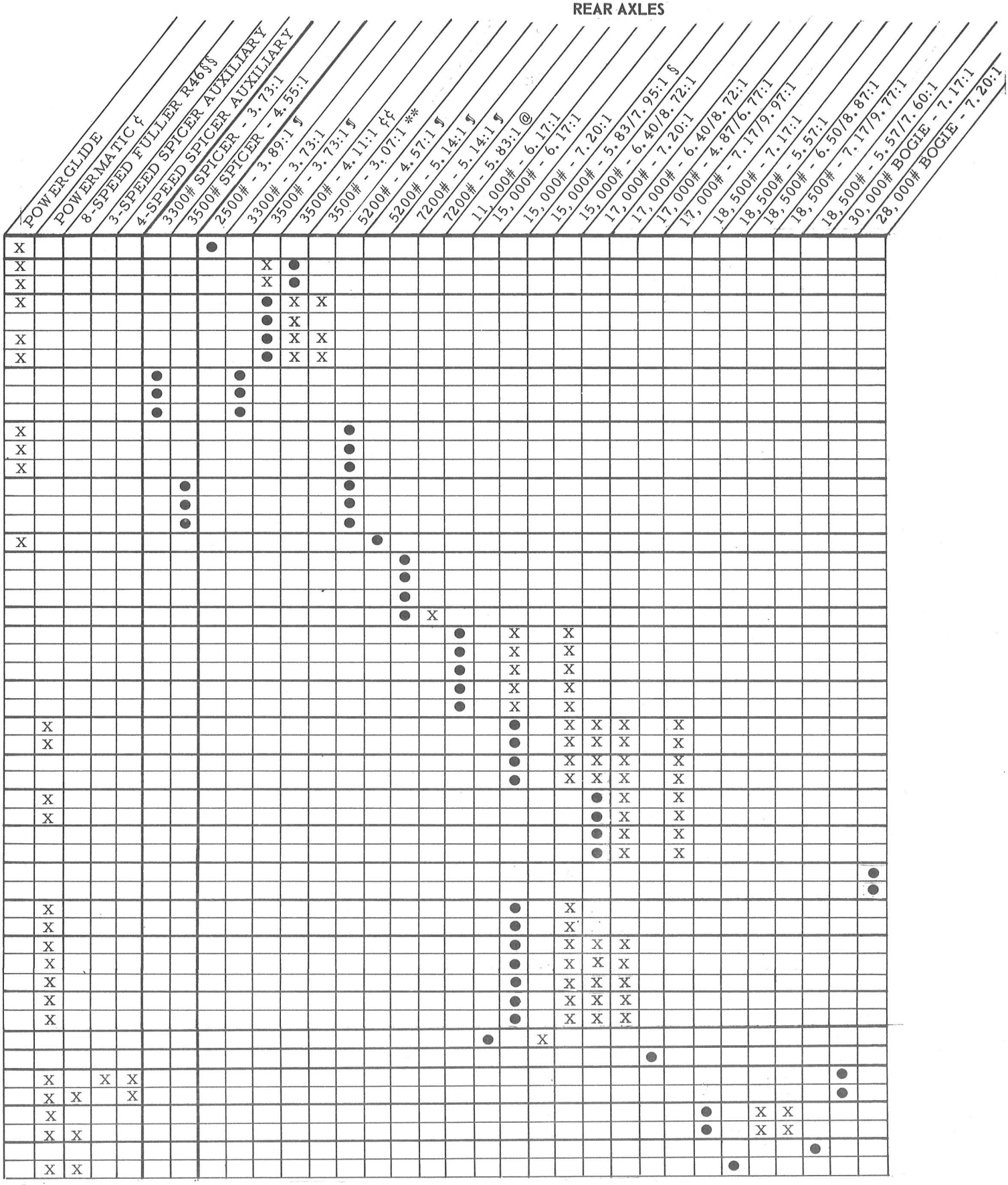
POWER TRAINS COMBINATIONS

● - Standard
X - Optional

		CLUTCHES							TRANSMISSIONS											
		9-1/8 INCH DIAPHRAGM	10 INCH DIAPHRAGM	11 INCH DIAPHRAGM	12 INCH COIL	12 INCH COIL (2 PLATE)	13 INCH COIL	14 INCH COIL	3-SPEED	3-SPEED H. D.	4-SPEED	5-SPEED NEW PROCESS	5-SPEED CLARK 265V	5-SPEED CLARK 264 VO	5-SPEED CLARK 267V CR¶¶	5-SPEED SPICER 3152	5-SPEED SPICER 3152A CR¶¶	5-SPEED SPICER 3153	5-SPEED SPICER 5652B	5-SPEED SPICER 5756B CR¶¶
R10	145 HO-6	●							●		X										
P10	153 L-4		●						●	X	X										
	230 L-6			●					●	X	X										
C10	230 L-6		●	X					●	X	X										
	230 L-6 *		●	X					●												
	292 L-6			●					●	X	X										
	283 V-8			●					●	X	X										
K10	230 L-6		●	X					●		X										
	292 L-6			●					●		X										
	283 V-8			●					●		X										
C20	230 L-6		●	X					●	X	X										
	292 L-6			●					●	X	X										
	283 V-8			●					●	X	X										
K20	230 L-6		●	X					●		X										
	292 L-6			●					●		X										
	283 V-8			●					●		X										
P20	230 L-6			●					●	X	X										
C30	230 L-6			●						X	●										
	292 L-6			●						X	●										
	283 V-8			●						X	●										
P30	230 L-6			●						X	●										
CL50	230 L-6			●							●										
	292 L-6			●							●										
	283 V-8			●							●										
S50	230 L-6			●							●										
	292 L-6			●							●										
C60	292 L-6				●						●	X									
	327 V-8						●				●		X		X						
LT60	292 L-6				●						●	X									
	327 V-8						●				●		X		X						
C60H	292 L-6				●						●	X									
	327 V-8						●				●		X		X						
LT60H	292 L-6				●						●	X									
	327 V-8						●				●		X		X						
M60	292 L-6				●						●	X									
	327 V-8						●				●		X		X						
S62, S64	292 L-6				●						●	X									
	327 V-8						●				●		X		X						
S67	292 L-6				●						●	X									
	327 V-8						●				●		X		X						
	348 V-8						●				●		X		X						
S69	327 V-8						●				●		X		X						
	348 V-8						●				●		X		X						
D60	212 L-4 Diesel						●							●				X			
D60H	212 L-4 Diesel						●								●		X				
M80	348 V-8						●									●					
	409 V-8					●													X		
CLT80	348 V-8						●									●	X				
	409 V-8					●													X	X	
EU80	318 V-6 Diesel							●												●	
								●													

* - Economy option
¶ - Available with limited-slip type rear differential
¢ - Available only with single-speed rear axles. Not used for L models.
** - Not available with Powerglide

REAR AXLES



@ - Used only with single rear wheels and H. D. three-speed transmission.

§ - Used only with Clark 264 VO transmission.

§§ - Available only with single speed axle.

¢¢ - 5200 lb. capacity on C20 models.

¶¶ - Used only with two-speed rear axles.

COOLING SYSTEM DATA

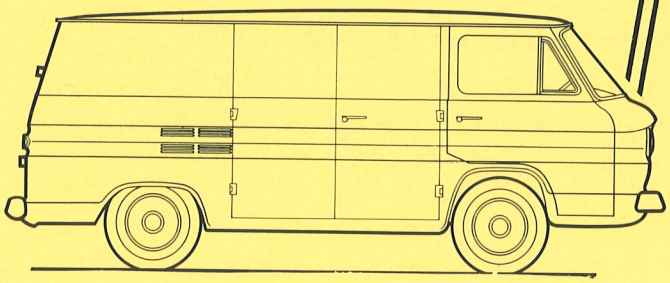
SERIES	TRANS-MISSION	ENGINE	RADIATOR TYPE	RADIATOR CONSTANT	CORE DIMENSIONS HEIGHT	CORE DIMENSIONS WIDTH	CORE DIMENSIONS THICK-NESS	AREA SQ. IN.	SYSTEM CAP.	PRESS CAP CAP.	NUMBER OF FAN BLADES & DIAMETER
CK10	Synchro-mesh	230 L-6	Tube & Center	.20 x .55	17.4	18.07	1.26	314.4		13 lb	4 x 19
CK20, 30		230 L-6		.16 x .55	17.4	18.07	1.26	314.4	11.0		
CK10, 20, 30		292 L-6		.16 x .55	17.4	25.22	1.26	438.8	13.0		
		283 V-8		.16 x .55	17.4	25.22	1.26	438.8	14.0		4 x 17.62
C10,20	P/glide	230 L-6		.18 x .55	17.4	25.22	1.98	438.8	12.0		4 x 19
		292 L-6		.18 x .55	17.4	25.22	1.98	438.8	13.5		
		283 V-8		.18 x .55	17.4	25.22	1.98	438.8	15.5		4 x 17.62
P10	Synchro-	154 L-4		.25 x .55	14.12	18.07	1.26	255.1	8.25		
	P/glide	154 L-4		.16 x .55	14.12	18.07	1.26	255.1	8.25		
	Synchro-	230 L-6	Cellular	.25 x .56	20.69	19.69	2.00	407.4		7 lb	
	P/glide	230 L-6		.25 x .56	20.69	19.69	2.00	407.4			
P20, 30	Synchro-	230 L-6		.25 x .56	19.95	21.36	2.00	426.13	14.0		
P20	P/glide	230 L-6		.25 x .56	19.95	21.36	2.00	426.13			
CLS50	Synchro mesh	230 L-6		.22 x .56	19.93	23.6	2.00	470.3	12.0		4 x 20
		292 L-6		.22 x .56	19.93	23.6	2.00	470.3	15.5		
		283 V-8		.25 x .56	24.7	23.6	2.00	582.9	18.5		
CLMS60		292 L-6		.22 x .56	19.93	23.6	2.00	470.3	15.5		
		327 V-8		.20 x .56	24.7	23.6	2.00	582.9	18.5		
D60		4-53 Diesel	Tube & Center	.18 x .55	29.0	23.57	2.62	684.0	21.5	9 lb	5 x 18
CLM80		348 V-8		.20 x .55	29.0	23.57	1.75	684.0	30.0		5 x 20
		409 V-8		.18 x .55	29.0	23.57	2.62	684.0	30.0		6 x 20
T60		292 L-6	Cellular	.20 x .56	19.93	23.6	2.47	470.35	23.5	7 lb	4 x 20
		327 V-8		.20 x .56	19.93	23.6	2.47	470.35	26.0		5 x 20
T80		348 V-8	Tube & Fin	10.5	24.0	28.72	2.25	689.3	37.5	9 lb	5 x 20
		409 V-8		10.5	24.0	28.72	2.88	689.3	37.5		6 x 20
U80		6V-53 Diesel		10.5	24.0	28.72	2.88	689.3	34.5		5 x 22
E80			Tube & Center	.18 x .55	29.0	23.57	2.62	684.0	26.75		

Heavy-Duty

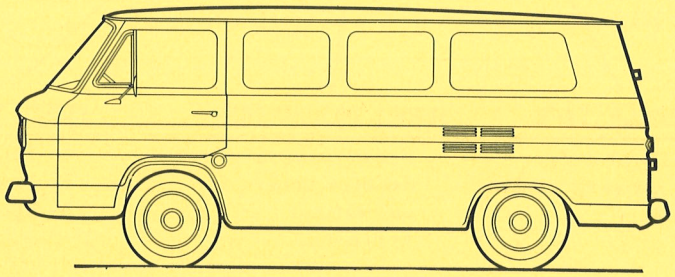
CK10, 20, 30	Synchro-mesh	230 L-6	Tube & Center	.16 x .55	17.4	25.22	1.26	438.8	12	13 lb	4 x 17.6
CK10		292 L-6		.18 x .55	17.4	25.22	1.98	438.8	13.5		
		283 V-8		.18 x .55	17.4	25.22	1.98	438.8	15.5		
CK20, 30		292 L-6		.18 x .55	17.4	25.22	2.62	438.8	14		
		283 V-8		.18 x .55	17.4	25.22	2.62	438.8	16		
CLS50		230 L-6	Cellular	.20 x .56	24.7	23.6	2.47	582.9	13.5	7 lb	5 x 20
		292 L-6		.20 x .56	24.7	23.6	2.47	582.9	17		
		283 V-8		.20 x .56	24.7	23.6	2.47	582.9	18.5		
CLMS60		292 L-6		.20 x .56	24.7	23.6	2.47	582.9	16.5		
		327 V-8		.20 x .56	24.7	23.6	2.47	582.9	18.5		6 x 20
CLM80		348 V-8	Tube & Center	.18 x .55	29.0	23.57	2.62	684.0	31.0		
		409 V-8		.18 x .55	29.0	23.57	2.62	684.0	31.0		

GENERAL

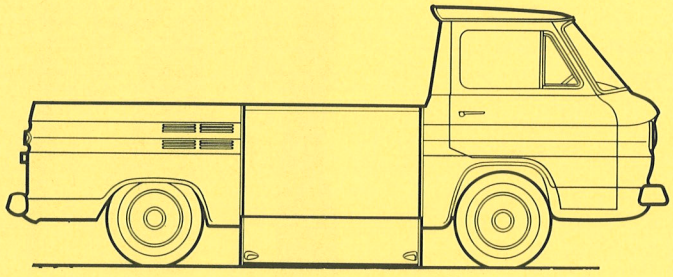
MODEL IDENTIFICATION



R1205 PANEL



R1206 SPORTS WAGON



R1254 RAMPSIDE PICKUP

SERIAL NUMBERS AND IDENTIFICATION

Vehicle Serial Number Identification

EXAMPLE:

3	R	12	5	W	100025
Model Year (1963)	VEHICLE TYPE	SERIES DESIGNATION	MODEL TYPE	ASSEMBLY PLANT	Unit Number**

VEHICLE TYPE

R - Light duty forward control

SERIES DESIGNATION

First numeral denotes nominal rating:
1 - 1/2 - ton

Second numeral denotes wheelbase:
2 - 95 inches

MODEL TYPE

4 - Pickup
5 - Panel
6 - Sports wagon

ASSEMBLY PLANT

W - Willow Run

** - Starting unit number is 10001 at each assembly plant regardless of series.

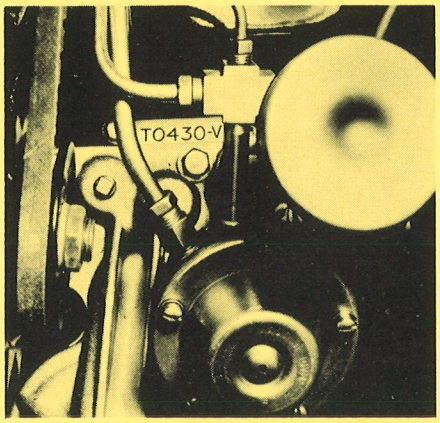
Engine Identification

EXAMPLE:

T	04	30	V
SOURCE DESIGNATION	MONTH	DAY	TYPE DESIGNATION

T (TONAWANDA)

V - Base engine
VA - Used on R10 with RPO L90
W - Used on R10 with RPO M35
WA - Used on R10 with RPO L90 and Powerglide trans.



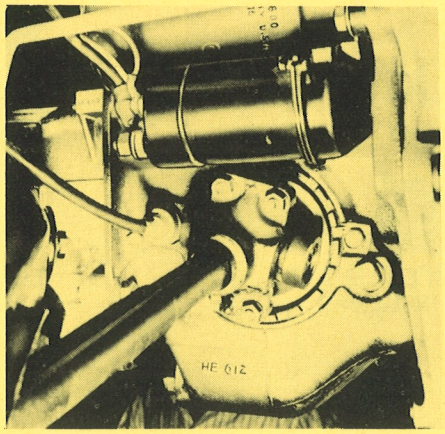
LOCATION - - - STAMPED ON TOP REAR SURFACE, LEFT HALF OF CRANKCASE

Rear Axle Identification

EXAMPLE:

HE	6	12
TYPE DESIGNATION	MONTH	DAY

HE - Base axle
HF - Used on R10 with RPO M35



LOCATION - - - NUMBER STAMPED ON LOWER LEFT SIDE OF CASTING

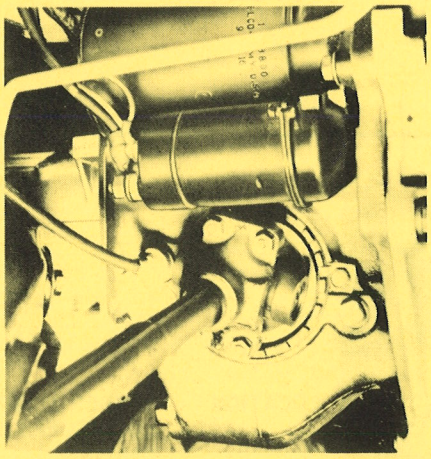
Transmission Identification

EXAMPLE:

B	7	06	D
SOURCE AND TYPE	MONTH	DAY	SHIFT

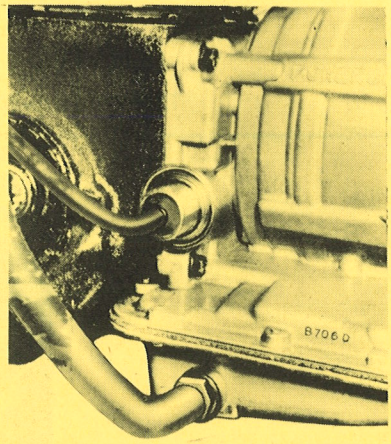
S (SAGINAW) - 3-SPEED
M (MUNCIE) - 4-SPEED
B (TOLEDO) - POWERGLIDE

3-SPEED & 4-SPEED



LOCATION - - - STAMPED ON UPPER LEFT DIFFERENTIAL MOUNTING BOSS

POWERGLIDE

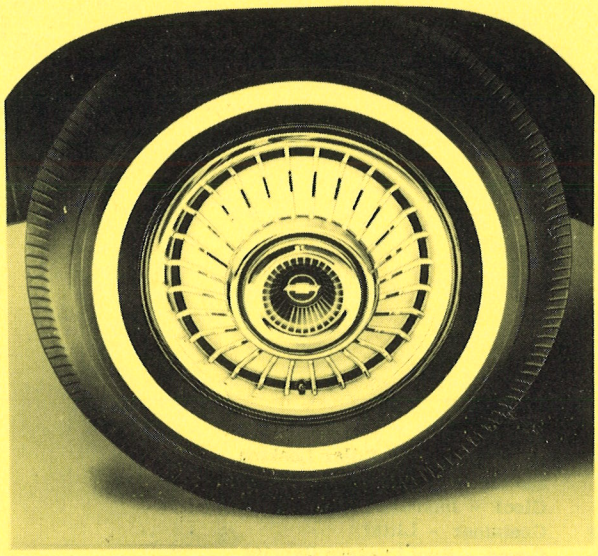


LOCATION - - - STAMPED ON RIGHT HAND SIDE OF CASTING AND MIDDLE PAN MOUNTING BOSS.

DEALER INSTALLED ACCESSORIES

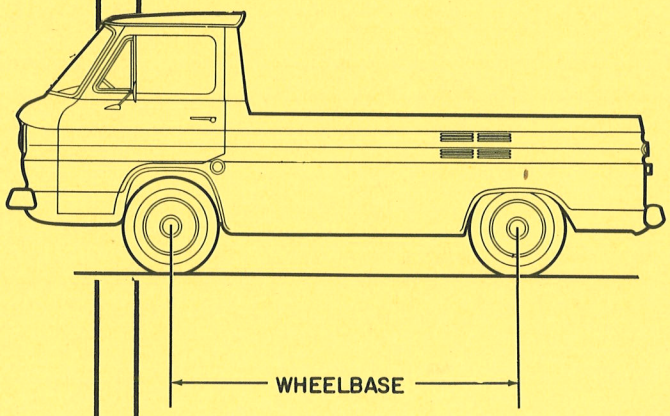
Belt - Seat
Cap - Gas Tank Filler Locking
Carrier - Roof Luggage
Clock - Instrument Panel
Container - Litter
Cover - Roof Luggage Carrier
Cover - Wheel Trim
Deflector - Rain
Fire Extinguisher
Floor - Level Platform
Guard - Bumper (Chrome or Painted)
Harness - Wiring
Heater and Defroster (Gas)
Heater and Defroster (Direct Air)
Lamp - Courtesy
Lamp - Dome
Lamp - Portable Spot
Lamp - Spot
Lamp - Traffic Hazard Switch and Flasher
Lighter - Cigarette
Mirror - Outside Rear View (Door Mounted)
Mirror - Inside Prismatic Rear View
Pad - Ventilated Seat
Radio and Antenna
Rail - Utility Side
Reflector - Reflex
Rest - Door Arm (Front Door)
Sunshade - Right Hand
Switch - Glove Compartment Light
Tool Kit
Tent and Camping Equipment
Washer - Windshield

REGULAR PRODUCTION OPTIONS



A09	Laminated Glass
A12	Rear Door Glass Equipment
A37	Seat Belt
A54	Full Width Seat
A57	Auxiliary Seat
A59	Supplementary Seat
C14	2-Speed W/S Wiper and Washer
C40	Direct Air Heater
C45	Gasoline Heater
D29	Rear View Mirror - Jr. West Coast Type
D32	Rear View Mirror
E82	Level Floor
E85	Body Side Door L.H.
F51	Shock Absorber
F60	Heavy Front Spring
G81	Positraction Differential Carrier
K47	Pre-Oil Bath Cleaner
K71	35 Amp Low-Cut-In Generator
M20	4-Speed Transmission
M35	Powerglide Transmission
P01	Wheel Trim Cover
U60	Manual Radio
V37	Chrome Bumper
Z60	Custom Equipment

DIMENSIONS AND WEIGHTS

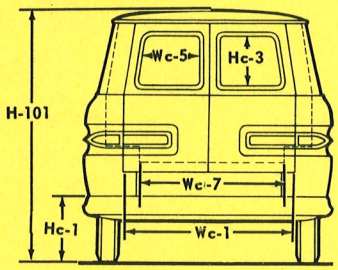


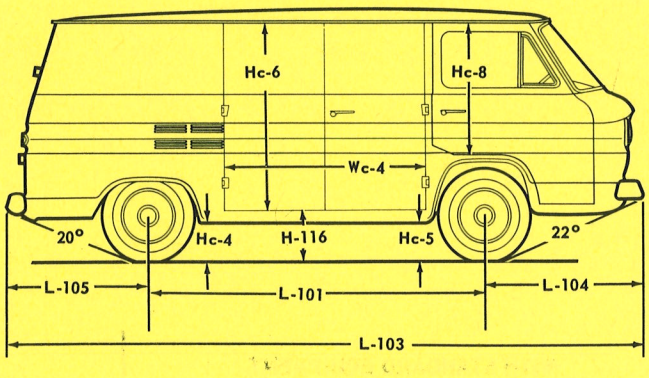
VEHICLE WEIGHTS

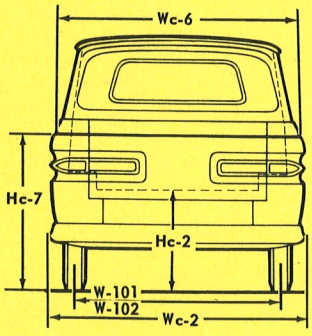
MODELS	WITH STANDARD EQUIPMENT SHIPPING* FRONT	SHIPPING* REAR	SHIPPING* TOTAL	CURB* FRONT	CURB* REAR	CURB* TOTAL	CUBIC CAPACITY (CU.FT.)	WITH MINIMUM EQUIPMENT MAXIMUM GVW BODY & OR PAYLOAD	PAYLOAD DISTRIBUTION FRONT	PAYLOAD DISTRIBUTION REAR	LOAD LENGTH (IN.)
R1205	1205	1595	2800	1300	1610	2910	191.0	1,700	50%	50%	155.6
R1206	1263	1742	3005	1360	1760	3120	175.5 §	1,500	49%	51%	¶
R1254	1282	1388	2670	1375	1410	2785	82.5	1,850	39%	61%	109.2

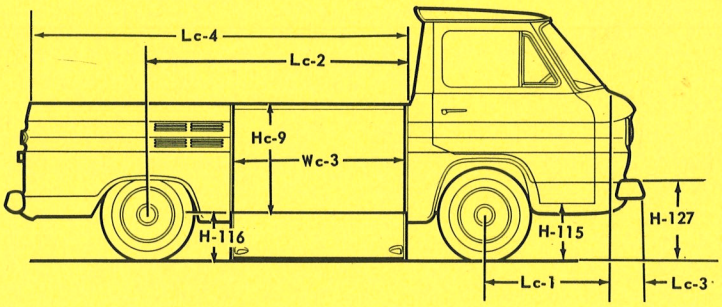
* - Estimated weight.
§ - Based on three passengers.
¶ - Payload distribution based on a payload of nine passengers.

EXTERIOR DIMENSIONS









HEIGHTS

				GREEN-BRIER	PANEL	PICKUP
H-101	Overall height	Base GVW	Curb	70.15	70.77	70.76
			Loaded		68.82	
		Max. GVW	Loaded		68.54	
H-115	Step height - front	Base GVW	Curb	19.24	20.35	19.85
			Loaded		17.09	
		Max. GVW	Loaded		17.25	
H-116	Step height - side	Base GVW	Curb		16.25	
			Loaded		14.56	15.01
		Max. GVW	Loaded		14.25	14.17
H-127	Top of front bumper to ground				21.49	
Hc-1	Top of rear bumper to ground				19.15	
Hc-2	Step height - rear	Base GVW	Curb	28.67	28.62	29.28
			Loaded		28.51	
		Max. GVW	Loaded		27.57	
Hc-3	Rear window height				13.20	
Hc-4	Bottom of frame to ground - forward of rear wheelhouse				9.89	
Hc-5	Bottom of frame to ground - rearward of front wheelhouse				9.57	
Hc-6	Side door opening height				51.08	
Hc-7	Top of pickup box to ground					42.30
Hc-8	Front entrance room				31.49	
Hc-9	Center floor to top of pickup box					29.13
Hc-10	Front ground clearance (at lower control arm)				7.04	
Hc-11	Rear ground clearance (at lower control arm)				8.14	
Hc-12	Minimum ground clearance (at rear of front wheel opening)				6.62	

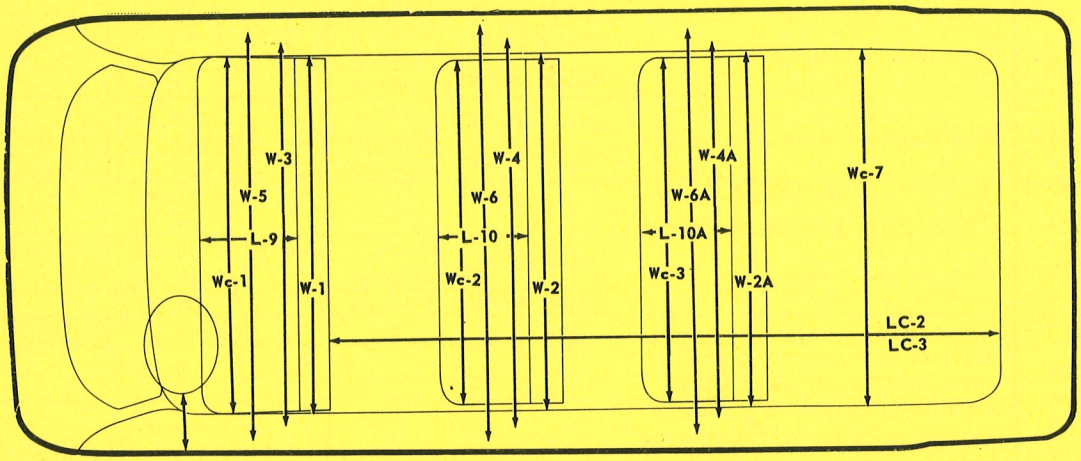
LENGTHS

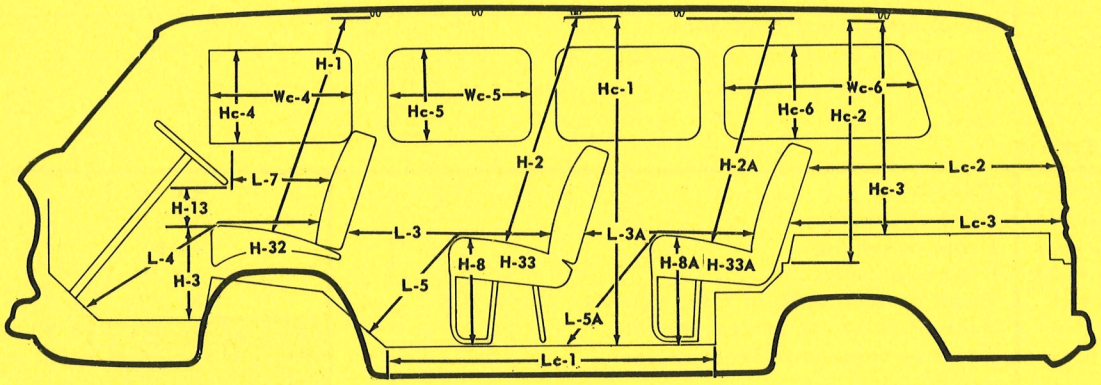
L-101	Wheelbase			95.00	
L-103	Overall length			179.70	
L-104	Front overhang			44.70	
L-105	Rear overhang			40.30	
Lc-1	Front of dash to ℄ of front wheels			38.39	
Lc-2	Back of cab to ℄ of rear wheels				75.92
Lc-3	Front of bumper to front of dash				6.31
Lc-4	Box length				105.88

WIDTHS

W-101	Front tread				58.00	
W-102	Rear tread				58.00	
Wc-1	Rear door width			45.96		43.92
Wc-2	Maximum bumper width				70.00	
Wc-3	Ramp door opening width					45.66
Wc-4	Side door opening width			53.00		
Wc-5	Rear window width			15.34		
Wc-6	Inside box width at rails					61.20
Wc-7	Width between wheelhousings				44.30	

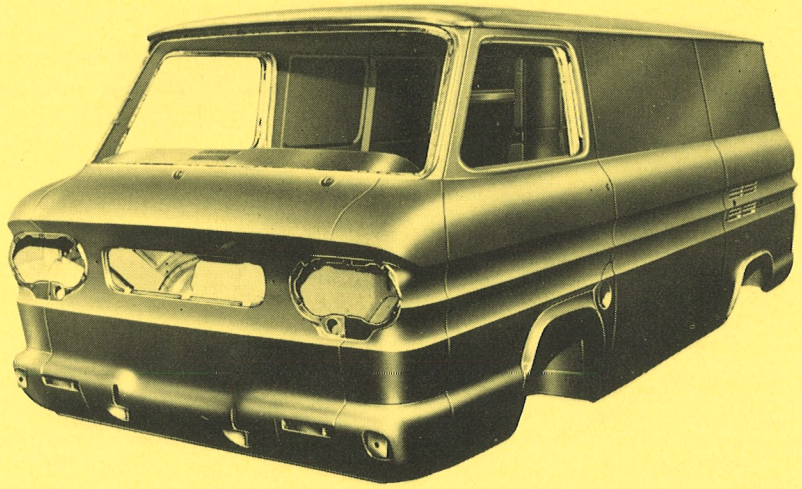
INTERIOR DIMENSIONS





		PICKUP	PANEL	GREENBRIER
HEIGHTS				
H-1	Headroom - front	39.7		
H-2	Headroom - intermediate			42.7
H-2A	Headroom - rear			42.6
H-3	Seat chair height - front	16.1		
H-8	Seat chair height - intermediate			17.5
H-8A	Seat chair height - rear			17.5
H-13	Steering wheel clearance	6.4		
H-32	"A" point depressed depth - front	3.6		
H-33	"A" point depressed depth - intermediate			3.6
H-33A	"A" point depressed depth - rear			3.6
Hc-1	Center floor to roof rail		53.8	
Hc-2	Rear compartment floor to roof rail		39.7	
Hc-3	Top of wheelhouse to roof rail		35.3	
Hc-4	Front door window height	15.16		
Hc-5	Intermediate side window height			15.16
Hc-6	Rear side window height			15.16
LENGTHS				
L-3	Intermediate compartment room			34.4
L-3A	Rear compartment room			28.5
L-4	Leg room - front	44.5		
L-5	Leg room - intermediate			37.4
L-5A	Leg room - rear			37.8
L-7	Steering wheel to seat back clearance	15.8		
L-9	Seat depth - front	17.0		
L-10	Seat depth - intermediate			17.3
L-10A	Seat depth - rear			17.3
Lc-1	Center floor length	52.9		
Lc-2	Load length at belt		106.2	34.6
Lc-3	Load length at floor		120.9	44.9
WIDTHS				
W-1	Hat room - front seat	53.4		53.4
W-2	Hat room - intermediate seat			55.0
W-2A	Hat room - rear seat			54.5
W-3	Shoulder room - front seat	59.5		59.5
W-4	Shoulder room - intermediate seat			59.3
W-4A	Shoulder room - rear seat			59.5
W-5	Hip room - front seat	61.4		61.4
W-6	Hip room - intermediate seat			61.8
W-6A	Hip room - rear seat			61.6
Wc-1	Seat cushion width - front	58.6		58.6
Wc-2	Seat cushion width - intermediate			55.6
Wc-3	Seat cushion width - rear			55.6
Wc-4	Front door window width	23.3		
Wc-5	Intermediate side window width			23.4
Wc-6	Rear side window width			32.2
Wc-7	Rear compartment maximum width	61.2		
Wc-8	Steering wheel to door inner panel clearance	4.6		

BODY



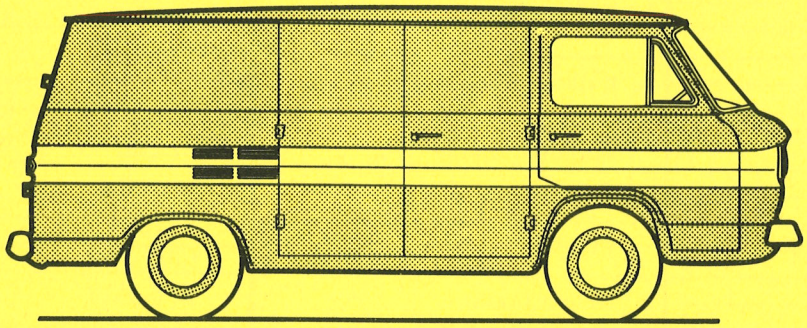
EXTERIOR COLOR COMBINATIONS

Body Colors

SOLID COLOR OR MAIN 2-TONE COLOR	SECONDARY 2-TONE COLOR	OPTION NUMBER SOLID	OPTION NUMBER 2-TONE
BEIGE, Desert	WHITE, Cameo	528	558
BLACK, Jet	WHITE, Cameo	500	530
BLUE, Balboa	WHITE, Cameo	508	538
BLUE, Brigade	WHITE, Cameo	507	537
GOLD, Tangier	WHITE, Cameo	524 *	554 *
GRAY, Georgian	WHITE, Cameo	522	552
GREEN, Glenwood	WHITE, Cameo	503	533
GREEN, Woodland	WHITE, Cameo	505	535
JADE, Seamist	WHITE, Cameo	502	532
ORANGE, Omaha	WHITE, Cameo	516	546
RED, Cardinal	WHITE, Cameo	514	544
TURQUOISE, Crystal	WHITE, Cameo	510	540
WHITE, Cameo	RED, Cardinal	526	541
WHITE, Pure	RED, Cardinal	521	545
YELLOW, Yuma	WHITE, Cameo	519	549

* - Available for Model R1206 only.

Method of 2-Toning



In the illustration, the dark areas represent the main 2-tone color and the light areas represent the secondary 2-tone color. With RPO 541 or 545, however, the wheels are painted the secondary color.

Trim Colors

ITEM	COLOR
Bumpers	Cameo White *
Wheels, Solid Color Models	Jet Black **
Wheels, Two-Toned Models	Main Body Color #
Hub Caps	Cameo White *
RPO Outside Rear View Mirror Arms	Main Body Color ¢
RPO Outside Rear View Mirror Cases	Jet Black ¢

* - Pure White substituted for models painted Pure White.
** - Main body color used for Model R1206.
\# - Secondary color substituted when main body color is white.
¢ - Cameo White substituted for accessory units.

INTERIORS

All Models Except Model R1206

AREA		MATERIAL	COLOR
Exposed body metal except floor, dash panel, and instrument panel front face		Painted metal	Medium fawn
Floor and dash panel			Charcoal
Instrument panel front face			White
Instrument cluster bezel			Silver
RPO Z60 front door embossment			White
Instrument cluster insert		Aluminum	Bright
Roof panel inserts		Painted vinyl-covered jute	Medium fawn
Sunshades	Standard, L.H.	Composition board	
	RPO Z60 R.H.		
RPO Z60 L.H. armrest	Upper	Leather-grain vinyl	Med. fawn or red *
	Lower	Plastic	White
Standard seat	Coverings	Pattern cloth	Medium fawn
	Facings	Leather-grain vinyl	Light fawn
	Rear of backrest		
RPO Z60 seat	Coverings	Nylon-faced pattern cloth	Med. & dark fawn
	Facings and backrest bolsters Exc. center bolster	Leather-grain vinyl	Medium fawn or red *
	Rear of backrest		
	Center backrest bolster		White
Steering wheel	Standard	Painted hard rubber	
	RPO Z60		White and med. fawn
Turn signal housing		Painted metal	White
Turn signal lever ¢		Polished metal	Bright
Steering column		Painted metal	Charcoal
Parking brake and gearshift lever ¢			
Dome lamp		Plastic	White
Air vent knobs			Charcoal
Instrument cluster knobs		Bright metal	Bright
RPO Z60 cigar lighter knob			
Rear view mirror		Painted metal	Silver
Front compartment floor mat		Embossed rubber	Charcoal

* - Red used with gray, red, or white exteriors.
¢ - Knob is black plastic

Model R1206 with RPO Z60

AREA	MATERIAL	COLOR
All exposed body metal except roof panel halo, roof bows, instrument panel front face, and dash panel	Painted metal	Med. fawn, lt. green, red, or turquoise *
Roof panel halo		White
Roof bows		
Instrument panel front face		
Dash panel		Charcoal
Roof panel trim pads	Painted vinyl-covered jute	White
Left and right hand sunshades	Composition board	
Rear quarter trim pads — Upper		Med. fawn, lt. green, red, or turquoise ¢
Rear quarter trim pads — Lower	Leather-grain vinyl	
Door and L.H. sidewall trim pads **		
Left and right hand armrests # — Upper	Plastic	White
Left and right hand armrests # — Lower		
Front and rear compartment dome lamps		
Seats — Coverings	Nylon-faced pattern cloth	Med. & dark fawn or turquoise ¢
Seats — Facings and backrest bolsters exc. center bolster	Leather-grain vinyl	Med. fawn, lt. green, red, or turquoise ¢
Seats — Rear of backrest		
Seats — Rear compartment seat legs	Painted metal	
Seats — Center backrest bolster	Leather-grain vinyl	White
Floor coverings	Textured vinyl-coated rubber	Dark fawn, dark green, red, or turquoise ¢
Steering wheel	Painted hard rubber	Two-toned with interior color and white
Spare tire cover	Leather-grain vinyl	Charcoal
Dispatch box door insert	Aluminum	Bright
Cigar lighter knob	Bright metal	
Rear compartment ash trays		
Rear view mirror; bezel, knobs, and insert for instrument cluster; air vent knobs; parking brake, gearshift, and turn signal levers; steering column; turn signal housing; and dispatch box door	Same as other Corvair 95 models	

* - Choice dependent upon exterior color: Light Green with Woodland Green and Glenwood Green; Turquoise with Jet Black and Crystal Turquoise; Red with Georgian Gray, Cardinal Red, Pure White, Cameo White; Medium Fawn with all other exterior colors.

** - Includes white vinyl inserts with bright moldings.

¢ - Choice depends upon main interior color.

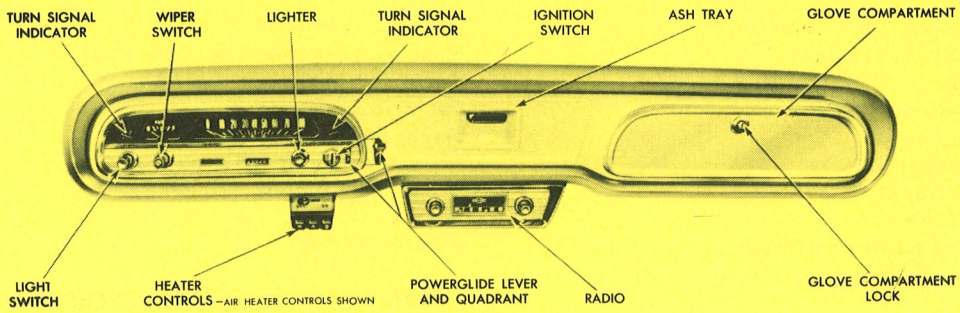
\# - Rear compartment armrests included when RPO A59 is stipulated.

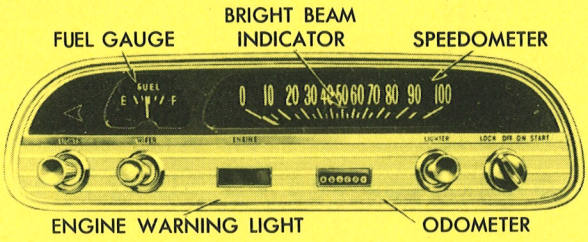
Model R1206 Regular Production

Same as other regular production Corvair 95 models, except seat trim is comprised of beige and black striped pattern cloth coverings and light fawn leather-grain vinyl facings. Exposed metal portions of seats are painted charcoal. Also charcoal embossed rubber mat is included for rear compartment.

REGULAR PRODUCTION EQUIPMENT

APPLICATION	PICKUP	PANEL	SPORTS WAGON
EXTERIOR			
Body Color for Wheels			X
Bumpers, Front and Rear (Painted)	X	X	X
Emblem - Front	X	X	X
- Side	X	X	X
- Rear	X	X	X
Glass, Rear Door			X
Grille, Engine Rear			X
Hub Caps (Painted)	X	X	X
Key Lock - Front Doors	X	X	X
- Rear Doors		X	X
Lights - Head (Dual)	X	X	X
- Direction Signal (Front and Rear)	X	X	X
Mirror, Outside Rear View		X	
Windshield Wipers, Electric	X	X	X
INTERIOR			
Ash Tray, Front Compartment	X	X	X
Checks, Load Doors - Woven Strap		X	
- Metal			X
Dispatch Box Door (with Lock)			X
Dome Lamp, Front Compartment	X	X	X
Floor Mat (Black Rubber)	X	X	X
Mirror, Inside Rear View	X		X
Seat - Single Driver		X	
- Full-Width Front	X		X
- Full-Width Second			X
- Adjustable Front Seat Backrest	X	X	X
- Vinyl Trim	X	X	
- Breathable Fabric Trim			X
Sunshade, Left Hand	X	X	X
Trim Plate, Instrument Cluster	X	X	X





NOTE: Engine warning light consists of oil pressure and engine temperature tell-tale on left and generator and fan tell-tale on right.

Custom Equipment

RPO Z60 FOR MODEL R1206

Bright windshield reveal moldings
Rear door ornamental inserts
Chrome bumpers and hub caps
Cigar lighter
Anodized aluminum trim plate for dispatch box door
Special seat trim
Special seat padding: 3/4-inch foam for backrest; 1-1/2 inch foam for cushion
Choice of four interior colors keyed to exterior color
Left and right hand armrests for front compartment *
Right hand sunshade
Special roof panel paint treatment
Special vinyl door and sidewall trim
Vinyl-coated rubber floor mats
Vinyl spare wheel cover
Two-tone steering wheel paint treatment
Bright-finished rear compartment left and right hand ash trays
Automatically-actuated rear compartment dome lamp

* - Rear armrests available with RPO A59

RPO Z60 FOR MODELS R1205-54

Bright windshield reveal moldings
Rear door or tailgate ornamental inserts
Cigar lighter
Left hand armrest

Special seat trim
Special seat padding: 3/4-inch foam for backrest; 1-1/2 inch foam for cushion
Right hand sunshade
Two-tone paint treatment for front door panels and steering wheel
Engine grille

RPO V37 FOR ALL MODELS EXCEPT MODEL 1206 WITH RPO Z60

Chrome bumper equipment, front and rear. Includes chrome hub caps except with RPO P01 Wheel Disk Equipment

Glass Type and Visibility Area

Model	Windshield (laminated safety plate)	Venti-Panes (solid safety sheet)	Front Door Windows (sol. safety sheet)	Side Windows (solid safety sheet)	Quarter Windows (sol. safety sheet)	Rear Windows (solid safety sheet)	Total
Pickups	1170.95 sq. in.	197.36 sq. in.	702.16 sq. in.			330.65 sq. in.	2400.92 sq. in.
Panels						409.12 sq. in. (2 windows) *	2479.39 sq. in. ¢
Station Wagons				1394.40 sq. in. (4 windows)	916.16 sq. in. (2 windows)	409.12 sq. in. (2 windows)	4789.95 sq. in.

* - Optional equipment.
¢ - Includes optional rear windows.

BUMPERS

Type	Pressed steel
Thickness	0.112 inch
Overall height	5.125 inches
Overall width	70.00 inches
Finish, Std.	Painted
, RPO	Chrome-plated

WINDSHIELD WIPERS

Make	Delco
Type	Single-speed *
Linkage type	Parallel acting
Wiper blades	15-inch, natural rubber
Blade travel	107 degrees, R.H.; 98 degrees, L.H.
Park position	One inch above D.L.O.

* - Two-speed wiper/washer combination available as RPO.

HORN

Make	Delco
Type	Vibrator
Number	One

TOOLS

Type	Scissors
Capacity	1800 Lbs.
Raised Height	17.81 In.
Lowered Height	3.56 In.
Wheel Nut Wrench Jack Handle	Combined Single Unit

ELECTRICAL

PARKING LIGHTS

Location	Below Headlights
Bulb Type	Dual Filament, Parking & Turn Signal

TAIL AND STOP LAMPS

Make	Guide Lamp
Type	Comb. Tail, Stop, Directional Signal Unit

REAR LICENSE LIGHTS

Type	Dual
Location	On Engine Access Door at Each Side of License Carrier

INSTRUMENT PANEL LIGHTING

Fuel Gauge	White Light
Speedometer Dial	
High Beam Indicator	Red (when lighted)
Oil Pressure Indicator	"OIL" (black letters on red background). Visible at Low Pressure or Excessive Temperature
Generator	Tell-Tale (lights at low gen. charge)
Main Switch	Three-Position Pull Type, with Integral Dome Lamp Switch & Rheostat to Control Instrument Panel Lighting

DOME LIGHT

Pickup Location	Above Rear Window
Panels & Station Wagons	At Center of Roof Panel, Rear of Front Seats*

DIRECTION SIGNAL

Make	Guide Lamp
Type	Flasher, Front and Rear, Self-Cancelling
Turn Indicators	Green Lighted Arrows at Outer Edge of Instrument Cluster Face

* - On station wagons with RPO Z60, second dome light provided on rearmost roof bow (automatically actuated by opening of side or rear doors.

Headlamps

Make & Type	Guide, Dual T-3 Sealed Beam
Location	At Extreme Sides of Front Panel
Sealed Beam Dia.	5.75
Dimmed By	Foot Switch (raises & lowers beam)
High Beam Ind.	In Speedometer Dial

Lamp Usage

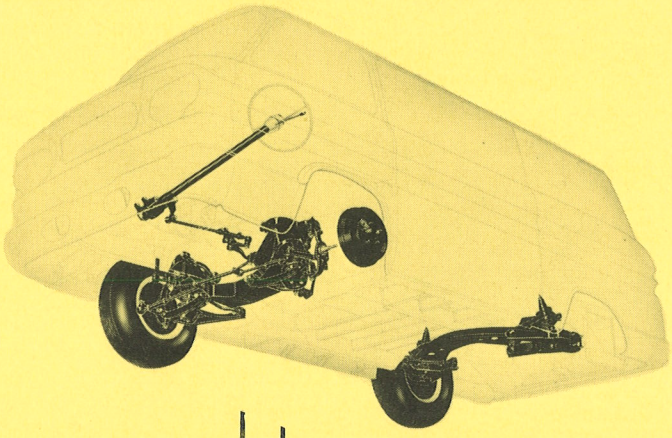
TRADE NO.	RATING	PART NO.	ITEM	QUAN-TITY	APPLICABILITY STD.	APPLICABILITY RPO
53	1CP	131282	Air Heater Control Panel	1		X
			Gas Heater Control Panel	1		X
			High-Beam Indicator	1	X	
			Direction Signal Indicator	2	X	
			Powerglide Selector Window	1		X
			Traffic Hazard Switch	1		X
			Cigar Lighter	1		X
57	2CP	127934	Open Side Door Tell-Tale	1		*
			Instrument Cluster	2	X	
			Oil Pressure & Temp. Tell-Tale	1	X	
			Generator Charging Tell-Tale	1	X	
			Dispatch Box	1		X
67	4CP	142450	License	2	X	
89	6CP	142452	Courtesy	2		X
211	12CP	9414045	Dome	1	X	
			Rear Compartment Dome	1		**
1034	32/4CP	454645	Tail, Stop, & R. Direction Signal	2	X	
			Parking & F. Direction Signal	2	X	
1891	2CP	456985	Radio Dial	1		X
4001	37.5W	5948501	Headlamp - Inner	2	X	
4002	¢	5948502	Headlamp - Outer	2	X	
4405	30W	456720	Spotlamp	1		X
4416		455242	Spotlamp - Portable	1		X

* - For Model R1206 double side doors.
** - For Models R1205 and R1206 only.
¢ - Upper beam, 37.5W; lower beam 50W.

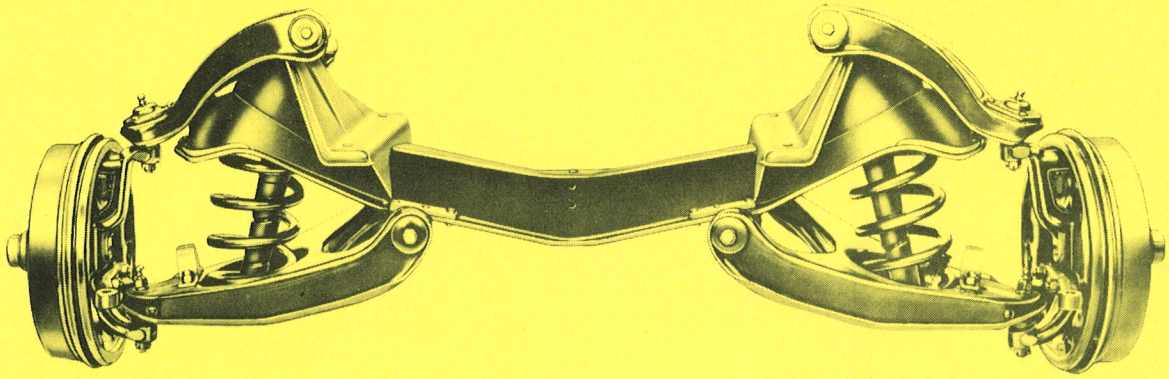
Fuse and Circuit Breaker Usage

TYPE	AMPS.	PART NO.	LOCATION	APPLICABILITY
3AG or AGC	3	106652	Fuse Block	Clock (Accessory)
			Dome Lamp Cable	R. Compartment Dome Lamp (Accessory)
SAE	20	106653	Fuse Block	Instrument Cluster Lamps
				Windshield Wiper Motor
				Gas Heater Purge Switch (Accessory)
3AG or AGC	10	117142		Spotlamp (Accessory)
				Gas Heater Blower (Accessory)
				Tail, Stop, Dome Lamp
	15	120151		Dispatch Box Lamp (Accessory)
				Air Heater Blower (Accessory)
	4	148511		Courtesy Lamp (Accessory)
				Open Side Door Tell-Tale (Option)
				Radio Receiver (Accessory)
Circuit Breaker	15	1995099	Main Light Switch	Headlamps & Parking Lamps
Flasher		3713382	Fuse Block	Direction Signal Lamps

CHASSIS



FRONT SUSPENSION



RATED CAPACITY (LBS.)			2500
Make			Chevrolet
Type			Independent, incorporating anti-dive geometry, joints and coil springs mounted on a removable crossmember
Control Arm Material			Steel stampings
Upper Control Arm Bushing	Material		Double wall steel tubing with rubber insert
	Type		Serrated, press fit
	Diameter		I. D. .670-.677; O. D. 1.276-1.281
Upper Control Arm Pivot Shaft	Material		Forged steel
	Diameter		.666
	Length		12.66
Upper Control Arm Bumper	Material		SAE R415
	Diameter		1.50 inches
Lower Control Arm Bushing	Material		Double wall steel tubing with rubber insert
	Type		Serrated, press fit
	Diameter		I. D. .737-.744; O. D. 1.323-1.328
Lower Control Arm Pivot Shaft	Material		Forged steel
	Diameter		.733
	Length		14.36
Lower Control Arm Bumper	Material		SAE R620 K2
	Diameter		1.80 inches
Spherical Joints	Type		Ball stud and socket
	Number		One each, upper and lower
	Ball stud material		Cold upset steel
	Ball Diameter	Upper	1.304-1.308
		Lower	1.246-1.250
	Ball stud seal material		Rubber
	Socket lubrication		Chassis grease
Steering Knuckles	Material		Forged, heat treated steel
	Spindle diameter	@ Inner brg	1.2490-1.2495
		@ Outer brg	.7490-.7495
	Spindle thread		3/4-20

Springs

SERIES APPLICATION		R1205, R1254 RPO R1206	R1206
Make		Chevrolet	
Type		RH helix	
Material		High alloy steel	
Number of coils	Active	5.08	6.08
	Total	6.42	7.42
Wire diameter		.677	.650
Outer diameter		5.154	5.102
Theoretical pitch diameter		4.477	4.452
Free overall height		12.43	12.90
Height	Normal load	7.86 @ 1860 lbs	7.86 @ 1475 lbs
	Maximum load	5.94 @ 3022 lbs	6.22 @ 2187 lbs
Deflection rate	@ Spring	605 lb/in	437 lb/in
	@ Wheel	175 lb/in	151 lb/in
Capacity	@ Spring	1040 lbs each	905 lbs each
	@ Ground	1150 lbs each	1015 lbs each
Tensile strength		190,000 psi	

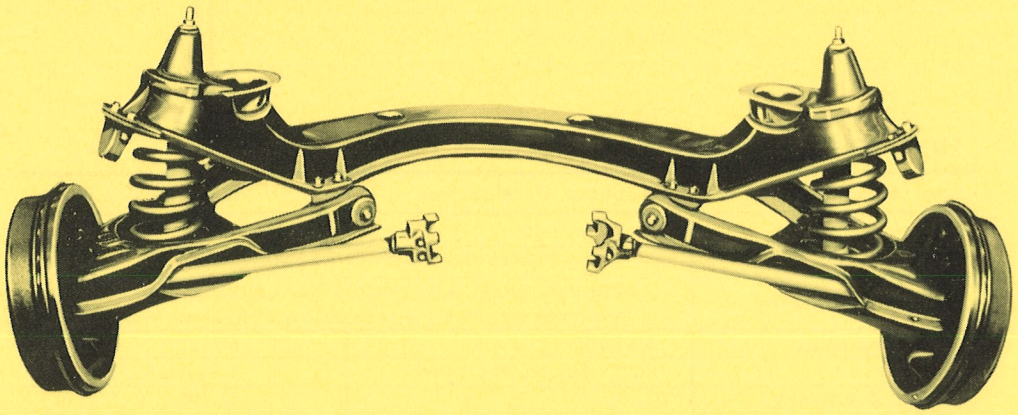
FRONT SHOCK ABSORBERS

Application	Regular Production	RPO Heavy Duty
Make	Delco	
Type	Hydraulic, direct double acting	
Mounting location	Mounted vertically within coil spring, between control arm and suspension cross member.	
Model number	R5180G	691J
Valve code	C2.5 (6) N10/F1-46	5 (1) E10/N2
Piston diameter	1.00	1.375
Piston travel	5.00	

WHEEL BEARINGS

Type		Single row tapered roller, inner and outer
Part number -	inner	7450630
	outer	7450627

REAR SUSPENSION

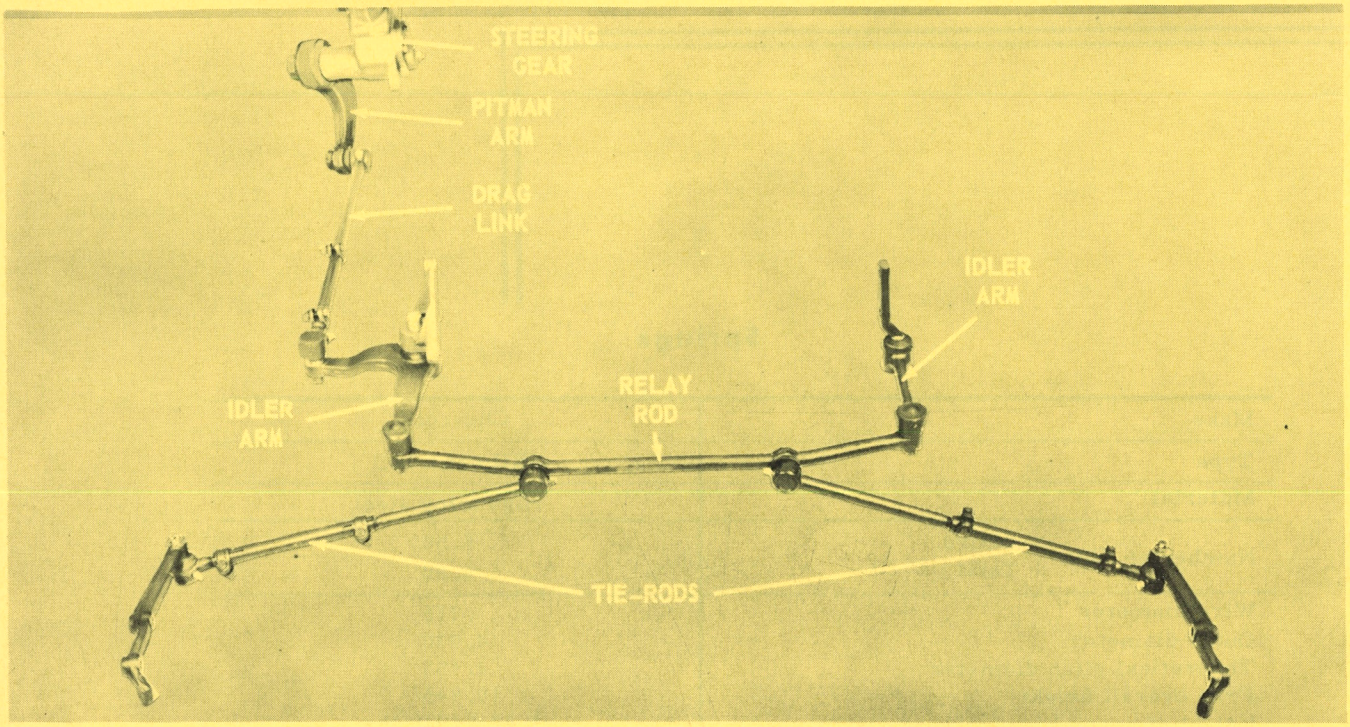


RATED CAPACITY (LBS.)		2500
Make		Chevrolet
Type		Independent swing type, using hat section type lower control arms, coil springs and shock absorbers
Control Arm Material		Steel stampings
Control Arm Pivot Shaft	Type	Rubber bushed at both ends
	Attachment	Bolted to crossmember
	Material	Drop forged steel
	Diameter	.731-.736
	Length	14.31
Control Arm Bushings	Material	
	Outer sleeve	Stainless steel
	Inner sleeve	Case hardened, carbo-nitride
	Type	Serrated, pressed fit
	Diameter	
	ID	.737-.744
	OD	1.323-1.328
SHOCK ABSORBERS		
Type		Direct, double acting hydraulic
Make		Delco
Piston	Diameter	1.000
	Travel	5.000
Mounting location		Mounted vertically within coil Spring, between control arm and suspension crossmember
WHEEL BEARINGS		
Type		Double row barrel
Make		Hyatt, ZCE 6635

Springs

Make		Chevrolet
Type		RH helix coil
Material		High alloy steel
Number of coils	Active	5.50
	Total	6.80
Wire diameter		.775
Outer diameter		4.930
Theoretical pitch diameter		4.155
Free overall height		10.545
Height at normal load		7.42@1920 lbs
Height at maximum load		5.24@4601 lbs
Deflection rate at spring		1230 lb/in
Deflection rate at wheel		324 lb/in
Sprung capacity		1050 lbs each
Capacity at ground		1150 lbs each

STEERING



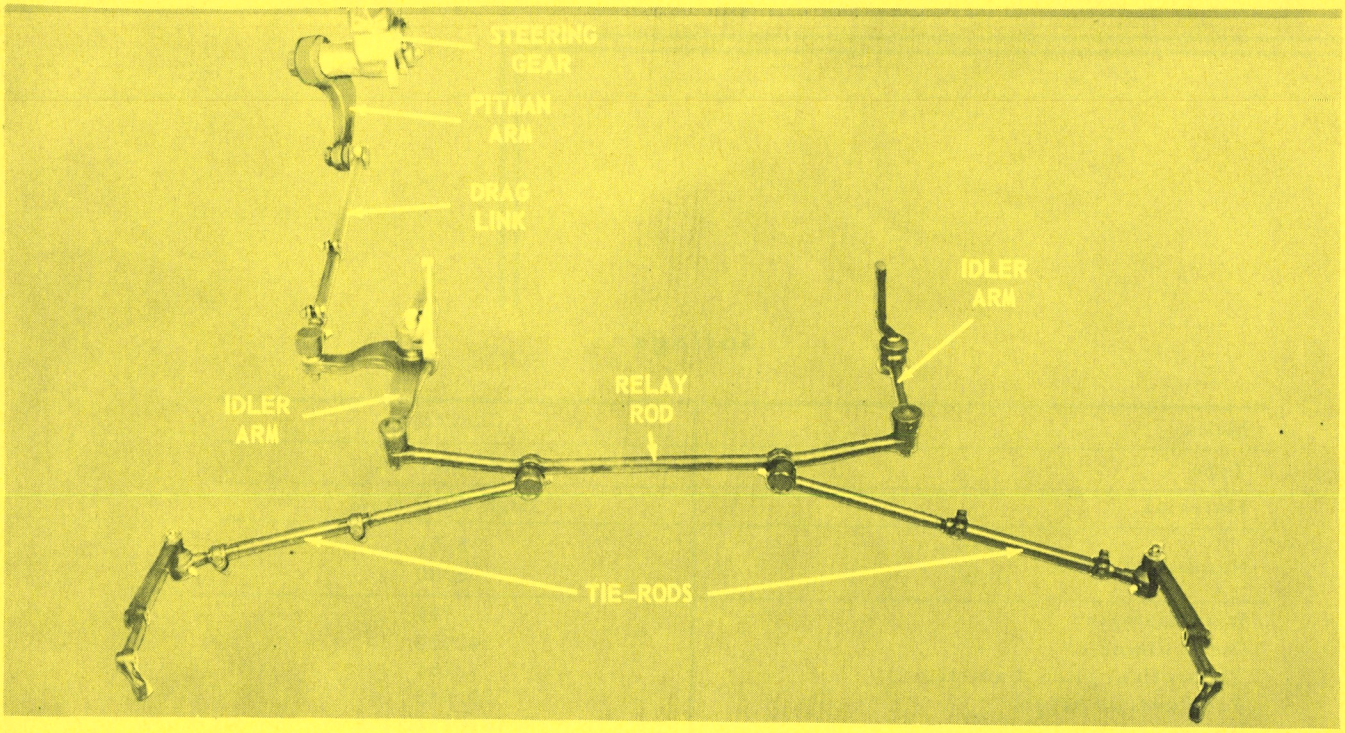
STEERING GEAR

Make and Material			Saginaw steering gear, malleable iron
Type			Recirculating ball
Ratio			20:1
Overall steering ratio			23:1
Steering shaft diameter			.750
Steering column diameter			1.995-2.005
Mounting			On frame side rail
Steering wheel size and type			17 inch, two spoke
Number of steering shafts			One
Pitman shaft material			Carburized, heat treated steel
Pitman shaft bushing material			Cast bronze
Worm and steering shaft	Type		Worm welded to steering shaft
	Bearings	Type	Ball
		Part number	266800
	Upper & lower Bearing	Type	Single row ball
		Part number	5666693

Springs

Make		Chevrolet
Type		RH helix coil
Material		High alloy steel
Number of coils	Active	5.50
	Total	6.80
Wire diameter		.775
Outer diameter		4.930
Theoretical pitch diameter		4.155
Free overall height		10.545
Height at normal load		7.42@1920 lbs
Height at maximum load		5.24@4601 lbs
Deflection rate at spring		1230 lb/in
Deflection rate at wheel		364 lb/in
Sprung capacity		1050 lbs each
Capacity at ground		1150 lbs each

STEERING



STEERING GEAR

Make and Material			Saginaw steering gear, malleable iron
Type			Recirculating ball
Ratio			20:1
Overall steering ratio			23:1
Steering shaft diameter			.750
Steering column diameter			1.995-2.005
Mounting			On frame side rail
Steering wheel size and type			17 inch, two spoke
Number of steering shafts			One
Pitman shaft material			Carburized, heat treated steel
Pitman shaft bushing material			Cast bronze
Worm and steering shaft	Type		Worm welded to steering shaft
	Bearings	Type	Ball
		Part number	266800
	Upper & lower Bearing	Type	Single row ball
		Part number	5666693

Steering Linkage

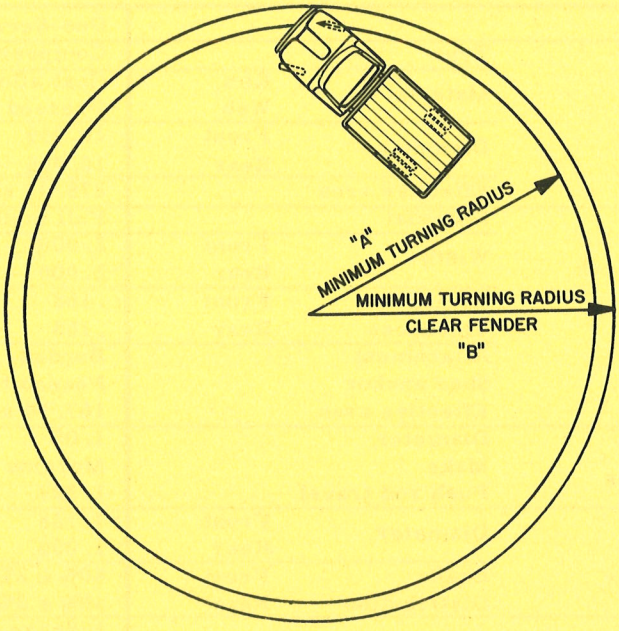
Type	Parallel relay
Number of tie rods	Two
Tie rod type	Adjustable dual equal length
Idler arm mounting	On RH frame side rail
Relay rod	One, with tie rods attached
Connecting rod attachment	To pitman arm at one end and to steering relay and connecting rod arm assembly at the other end

Turning Radii

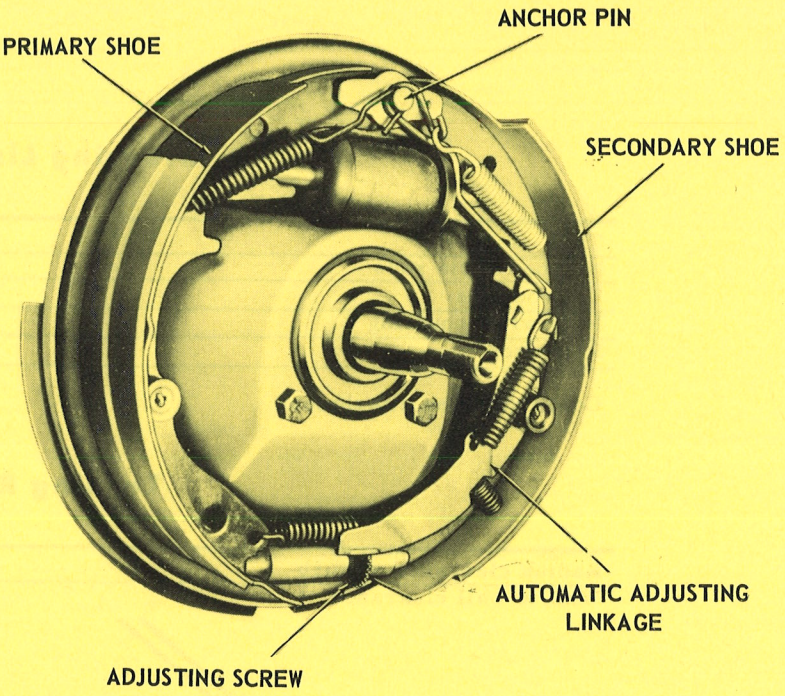
Radius clearance at curb	19.6 feet
Wall to wall clearance	21.3 feet

"A" DIMENSION = Measured to the edge of the front tire at the outside of the circle. This indicates radius clearance required at curb height.

"B" DIMENSION = Measured to outer extremity of truck (front bumper or fender) indicating required wall-to-wall radius clearance.



BRAKES



Service and Parking Brake

Type			Duo-Servo, 4-wheel hydraulic, self-adjusting
Drum	Type		Composite
	Material	Rim	Cast alloy iron
		Web	Pressed steel
	Diameter	Front	10.955
		Rear	10.955
	Effective area		275.33 sq. in. total
Lining	Material		Full molded asbestos
	Width	Front	2.000
		Rear	2.000
	Facing Thickness	Front	.168
		Rear	.168
	Attachment		Bonded
	Shoe anchor		Peened fixed anchor
	Effective area		167.10 sq. in. total
Master Cylinder	Diameter		1.00
	Make		Moraine
	Push rod travel		1.329
Wheel Cylinder	Diameter	Front	1.125
		Rear	1.000
	Brake Distribution	Front	50% ± 2%
		Rear	50% ± 2%
Self adjustment mechanism	Type		Linkage (wire link, stamped actuating lever & pawl, over-ride & return springs)
	Description		Wire link fixed at one end to anchor pin; pawl at other end turns adjusting screw wheel
	Operation		During reverse stoppage; only when required
Brake Lever Ratios	Pedal		6.8
	Hydraulic		4.52
	Overall		30.74
Parking Brake	Type		Mechanical pull type, cables to rear service brakes
	Effective lining area		83.55 sq. in. total
	Operation		Lever under dash

TIRES AND WHEELS

BASE OR RPO	FRONT	DESCRIPTION	BASE OR RPO	REAR	DESCRIPTION	SHORT SPOKE DISC WHEEL SIZE	SHORT SPOKE DISC WHEEL OFF-SET	ATTACHMENT STUDS NO.	ATTACHMENT STUDS DIA.	ATTACHMENT BOLT CIRCLE DIA.
Base	7.00-14-4	Hwy. Ray. -TL	Base	7.00-14-4	Hwy. Ray. -TL					
R20	7.00-14-4	Hwy. Ray. -TL-W/W	R20	7.00-14-4	Hwy. Ray. -TL-W/W					
R21	7.00-14-6	Hwy. Ray. -TL	R21	7.00-14-6	Hwy. Ray. -TL					
R22	7.00-14-6	Hwy. Ray. -TL-W/W	R22	7.00-14-6	Hwy. Ray. -TL-W/W					
R24	7.00-14-6	Hwy. Ray. -TL	R24	7.00-14-6	Hwy. Ray. -TL	14x5J	.56	5	7/16	4.75
R25	7.00-14-6	Hwy. Ray. -TL	R25	7.00-14-8	Hwy. Ray. -TL					
R25	7.00-14-6	Hwy. Ray. -TL	R25	7.00-14-8	Hwy. Ray. -TL					
Base	7.00-14-4	Hwy. Ray. -TL	R24	7.00-14-6	Hwy. Ray. -TL					
Base	7.00-14-4	Hwy. Ray. -TL	R25	7.00-14-8	Hwy. Ray. -TL					

BASE OR RPO	TIRE SIZE	TYPE PASS.	TYPE TRUCK	MAXIMUM RATED CAPACITY (LBS.) FRONT	MAXIMUM RATED CAPACITY (LBS.) REAR	MAXIMUM INFLATION PRESSURE (LBS.) FRONT	MAXIMUM INFLATION PRESSURE (LBS.) REAR	UNLOADED OUTSIDE DIA. (IN.)	SECTION WIDTH (IN.)	LOADED RADIUS (IN.)	REVOLUTIONS PER MILE (LOADED)
Base	7.00-14-4	X		975	975	24	30	26.3	7.2	12.2	810
R20											
R21	7.00-14-6	X			1065		34				
R22											
R24	7.00-14-6		X		1180		45	26.4	7.0	12.3	800
R25	7.00-14-8		X		1400		60				

1963 CORVAIR 95
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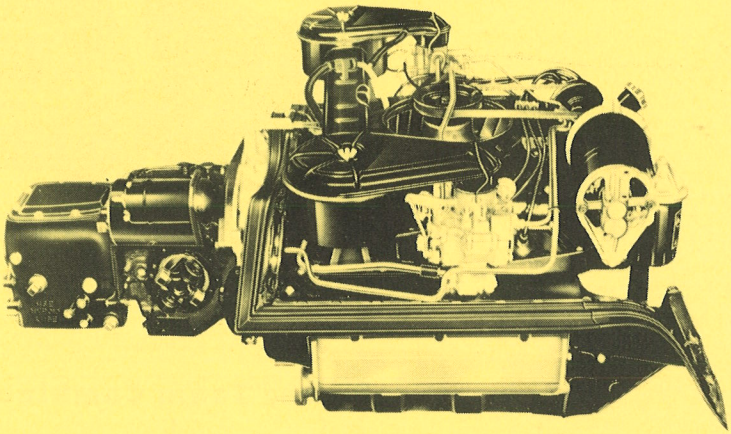
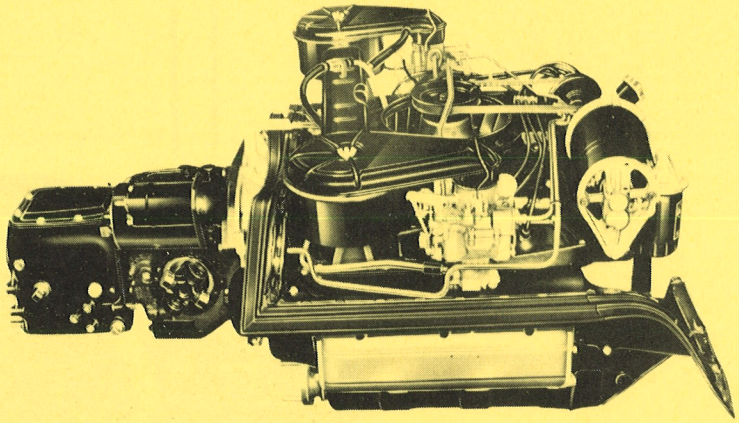
POWER TRAINS



POWER TEAM COMBINATIONS

BASIC POWER TRAIN ARRANGEMENT



Power Team Combinations

ENGINE	CLUTCH	AXLE	TRANSMISSION	AVAILABILITY
Turbo-Air 145 cu. in.	9-1/8" dia.	3.89:1	3-speed synchromesh	Standard
		3.89:1	4-speed synchromesh	Optional
	---	3.89:1	2-speed automatic	Optional

Multiplication Factors – Manual Transmission

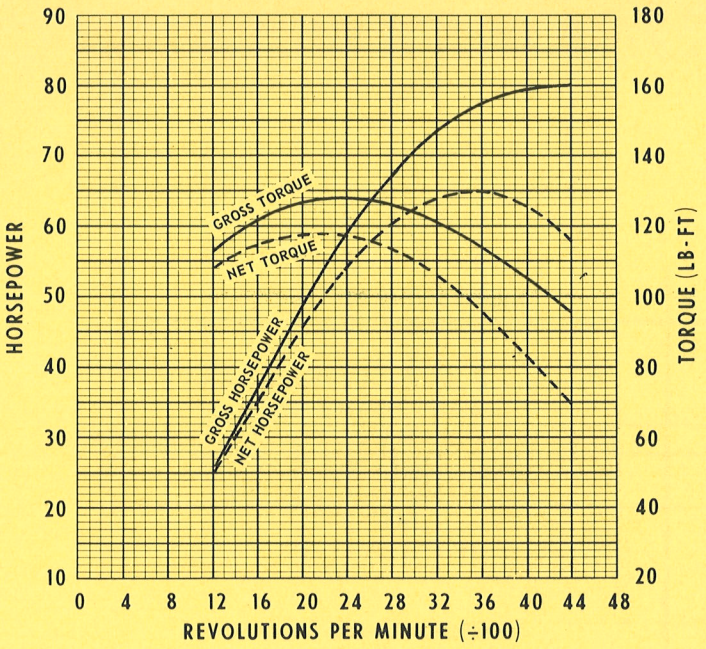
TRANS-MISSION	TOTAL GEAR REDUCTION*					MAXIMUM AXLE SHAFT TORQUE £
	1ST	2ND	3RD	4TH	REVERSE	
3-speed	13.61	7.74	3.89	---	15.44	1365 Lb. Ft.
4-speed	14.20	9.14	5.60	3.89	14.24	1424 Lb. Ft.

Multiplication Factors – Automatic Transmission

TRANSMISSION	TOTAL GEAR REDUCTION*		MAXIMUM AXLE SHAFT TORQUE£
	DRIVE	LOW & REVERSE	
Two-Speed Automatic	18.39-3.89:1	18.39-7.07:1	1845 Lb. Ft.

* - Axle ratio x transmission ratio

£ - In low transmission gear. Gear reduction x maximum net engine torque x efficiency factor (0.90 in direct, 0.85 all others)



Performance Data

ENGINE	STANDARD & AUTOMATIC TRANSMISSIONS	
Brake Horsepower	Gross	80 @ 4400
	Net	65 @ 3600
Torque	Gross	128 @ 2300
	Net	118 @ 2200

General Engine Data

TRANSMISSION		STANDARD	AUTOMATIC
Type		6-cylinder horizontally opposed OHV	
Piston displacement (cu. In.)		145	
Bore and stroke		3.437 x 2.600	
Compression ratio		8.0:1	
Taxable horsepower (SAE)		28.4	
Idling speed (RPM)		500	
Compression pressure-hot (psi)		140	
Dry weights (lbs)	Engine & clutch	316	294
	With transaxle	425 (431 w/4-spd.)	439
Lubrication		Full Pressure	
Power plant mounting		Two front and one rear. Shear type front; compression type rear.	
Measurements	Width	36.72	
	Length	29.00	
	Height	17.00	

Engine Speed and Piston Travel

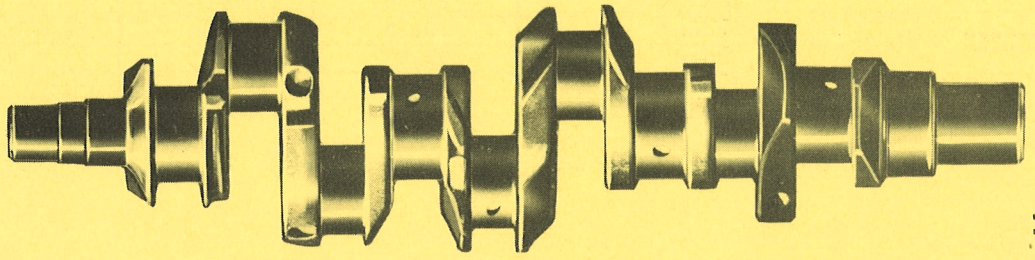
TRANSMISSION		THREE SPEED	FOUR SPEED	AUTOMATIC
Tire Size		7.00-14-4PR		
Crankshaft revolutions per mile		3150.90		
Axle ratio		3.89:1		
Crankshaft RPM @ 1 mph*	Low	183.8	191.6	229.4-95.5
	Reverse	208.4	192.2	
	Second	104.5	123.4	52.5
	Third	52.5	75.6	---
	Fourth	---	52.5	---
Piston travel (ft./mi)		1365.4		

* - Also known as n/v factor when taken in direct drive.

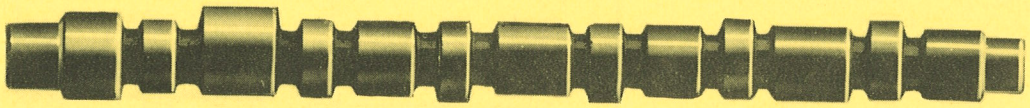
145 CUBIC INCH SIX CYLINDER ENGINE

			HIGH TORQUE 145
CYLINDER HEADS			
Material			Permanent mold cast aluminum with integral cooling fins
Number of head bolts			24
Valve seat insert material		Inlet	Cast nickel steel alloy
		Exhaust	Cast chromium steel alloy
Valve seat angle			45°
CYLINDERS			
Type			Valve-in-head
Material			Cast Iron
Bore diameter			3.4370-3.4400
CRANKCASE			
Type			Molded into LH & RH halves
Material			Cast aluminum
CRANKSHAFT			
Material			Drop forged steel
End play			.002-.006
Vibration damper			Oscillating (rubber mounted)
Connecting rod journals		Width	.8585-.8615
		Diameter	1.799-1.800
Counterweights			None
Stroke			2.595-2.605
Pulley diameter			6.64
Main Bearings	Type		Precision, removable
	Material		Heavy duty copper lead alloy
	Thrust taken against brg. no.		1
	Bearing clearance		.0012-.0037
	Theoretical I. D. §	Number 1 & 2	2.1008
		Number 3 & 4	2.1013
	Effective length ¶	Number 1	.785
		Number 2, 3, 4	.752
	Projected area *	Number 1	1.649
		Number 2, 3, 4	1.580
Journal diameter		Number 1 & 2	2.0978-2.0988
		Number 3 & 4	2.0983-2.0993

§ - Journal diameter plus clearance
¶ - Overall diameter minus chamfers.
* - Based on theoretical I. D. and effective length.



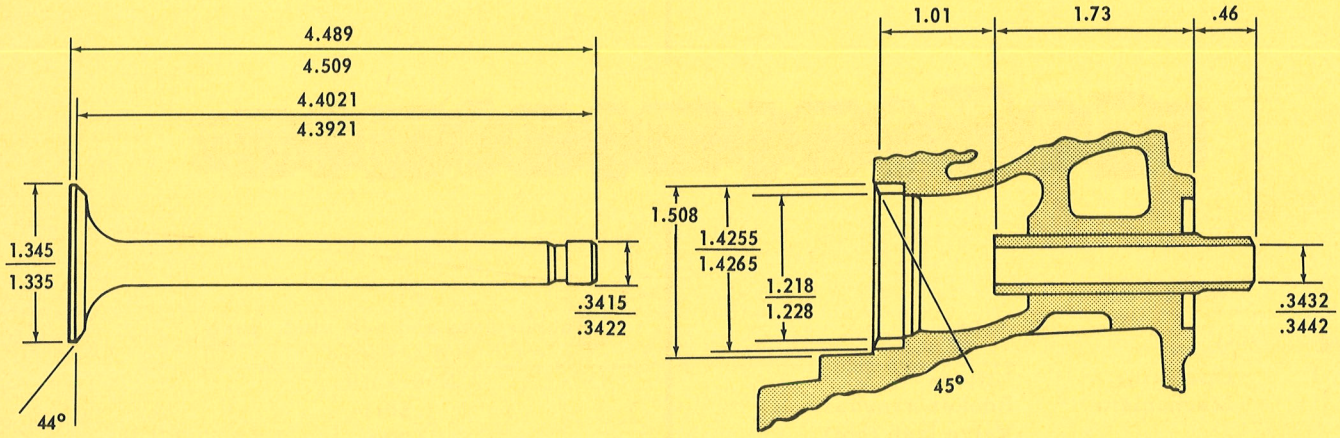
		HIGH TORQUE 145
CAMSHAFT		
Material		Cast alloy iron
Drive		Gear
Gear material	Crankshaft	Steel
	Camshaft	Permanent mold cast aluminum



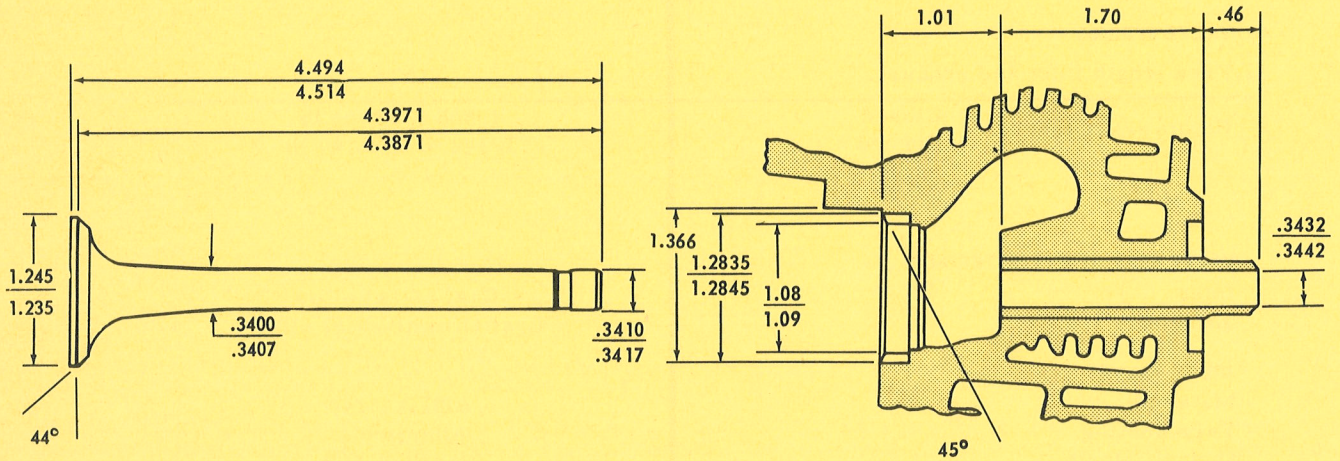
VALVE TRAIN		
Valve Operating Mechanism	Type	Rocker arm and ball stud, push rod actuated
	Lifters	Hydraulic
	Rocker arm ratio	1.50:1
	Valve lash (hot)	Zero
VALVE GUIDES		
Material	Inlet	Cast iron
	Exhaust	Cast iron
VALVE SPRINGS		
Free length inlet and exhaust		1.74
Compressed length	Closed	1.508 @ 58-64 lb
	Opened	1.148 @ 141-149 lb
VALVE SEAT INSERT MATERIAL		
Inlet		Cast nickel alloy
Exhaust		Cast chrome steel alloy
INLET VALVES		
Material		AISI A-3140
Face coating		Aluminized
Overall length		4.489-4.509
Head diameter		1.335-1.345
Stem diameter		.3415-.3422
Stem to guide clearance		.0010-.0027
Angle of valve face		44°
Seat angle in head		45°
Valve lift		.3601

145 CUBIC INCH SIX CYLINDER ENGINE–Cont'd.

INLET



EXHAUST



		HIGH TORQUE 145
EXHAUST VALVES		
Material		High alloy steel, 21-4N
Overall length		4.494-4.514
Overall head diameter		1.235-1.245
Seat angle (in head)		45°
Stem diameter		.3410-.3417
Stem to guide clearance		.0015-.0032
Face angle		44°
Facing material		Stellite
Valve Rotators		Rotocoil
Valve lift		.3601
VALVE TIMING		
Inlet valve	Opens	43° BTC
	Closes	93° BTC
Exhaust valve	Opens	87° BBC
	Closes	69° ATC
Valve lift	Inlet	.314
	Exhaust	.344
Inlet and exhaust opening & closing		.0044, 12° long
Tappet lift	Inlet	.20920
	Exhaust	.22935
PISTONS		
Type		Slipper skirt, autothermic
Offset		.055-.065
Material		Cast alloy aluminum
Weight (ounces)		15.9
Topland clearance		.022-.031
Skirt clearance		.0011-.0015
Compression ring groove depth		.193-.198
Oil control ring groove depth		.194-.199
Length		3.36
PISTON PINS		
Type		Pressed in rod
Material		Alloy steel
Length		2.630-2.650
Diameter		.7999-.8002
Clearance		.00015-.00025
Direction of offset		Major thrust side
Piston pin offset		.055-.065

145 CUBIC INCH SIX CYLINDER ENGINE–Cont'd.

		HIGH TORQUE 145
COMPRESSION RINGS		
Type		Inside bevel or counterbore
Material		Cast alloy iron
Coating		Upper-Chrome plated; Lower-Wear resistant
Width		.0770-.0780
Wall thickness		.162-.172
Gap		.010-.020
OIL CONTROL RINGS		
Type		Multi-piece (2 rails and 1 spacer)
Material		Cast alloy iron
Coating		Chrome
Width		.1860-.1865
Wall thickness		.143-.149
Gap		.010-.020
CONNECTING RODS		
Material		Drop forged steel
Length (center to center)		4.719-4.721
Weight (ounces)		13.73
CONNECTING ROD BEARING		
Type		Precision removable
Material		HD copper lead alloy
End play		.005-.010
Clearance		.0007-.0027
Effective length		.649
Theoretical ID		1.8012
Projected area		1.169
Total area		7.014
CAMSHAFT BEARINGS		
Effective Length	Front	.83
	Front intermediate	.86
	Rear intermediate	.86
	Rear	.95
	Total	3.50
Projected area	Front	1.197 sq. in.
	Front intermediate	1.094 sq. in.
	Rear intermediate	1.094 sq. in.
	Rear	4.5275 sq. in.

	HIGH TORQUE 145

Cooling System

GENERAL	
Type	Forced air cooled by blower
ENGINE BLOWER	
Type	Centrifugal
Location	Mounted horizontally on top center of engine between air cleaner and crankcase
Material	Steel
Diameter	11.00
Bearing	Sealed, permanent lube ball bearing
Number of vanes	24
Drive	By "V" belt from crankshaft over idler and generator pulley
Air flow	1850 CFM @ engine RPM's
Blower pulley pitch diameter	4.1875
Ratio (blower to engine speed)	1.58:1
Idler pulley pitch diameter	3.32
Belt — Pitch length	55.7
Belt — Width	.380±.055
Belt — Angle of "V"	40°
ENGINE COOLING AIR THERMOSTAT	
Type	Bellows
Make	Harrison
Bellows start to open at	200-210°F
Fully open at	225-230°F
ENGINE COOLING AIR VALVE	
Material	Steel
Inner diameter	7.48
Height	2.48

Fuel and Exhaust System

	HIGH TORQUE 145
FUEL TANK	
Location	Under front seat
Capacity	18.6 gallons
Filler location	LH side, rear of door
FUEL PUMP	
Make	AC
Type	Mechanical
Location	Mounted on engine rear housing
Pressure range (PSI)	5.25-6.50
Drive	By eccentric on rear end of crankshaft
AIR CLEANER	
Type	Oil wetted
Element material	Polyurethane
Location	Individually mounted to carburetors
CARBURETOR	
Number	Two (one per cylinder bank)
Make	Rochester
Model	7020101
Type	Single barrel, downdraft
Fuel filter Location	Fuel inlet
Fuel filter Material	Sintered bronze
SAE flange size	0.75
Venturi Type	Radial tube cluster
Venturi Diameter	1.00
Throttle bore	1.2495-1.2505
Stud centers	2.75
INTAKE MANIFOLD	
Type	Cast integral with cylinder heads
EXHAUST MANIFOLD	
Material	Cast iron
EXHAUST SYSTEM	
Type	Single, diffusion & resonance
Muffler	Reverse flow
Exhaust pipe OD	1.875
Tail pipe OD	1.50

Lubrication System

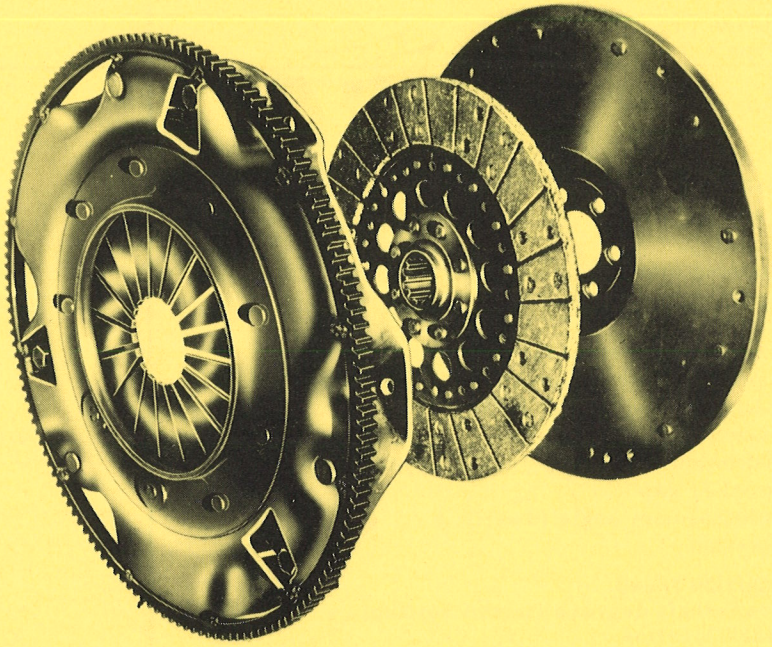
	HIGH TORQUE 145
GENERAL	
Type	Controlled, full pressure
Main bearings	Pressure
Connecting rods	Pressure
Piston pins	Splash
Cylinder walls	Cross sprayed
Camshaft bearings	Pressure
Hydraulic lifters	Pressure
Timing gears	Sprayed
Crankcase capacity — Dry	5.5 Qt
Crankcase capacity — Refill	4.0 Qt
Dipstick location	Right rear of engine
Pressure gauge type	Electric
Crankcase ventilation	Road draft tube
OIL FILTER	
Type	Full flow
Capacity	1.0 Pt
OIL PUMP	
Type	Gear
Location	In engine rear housing
Driven by	Distributor
Intake	Fixed
Normal oil pressure	35 PSI @ 2000 rpm
Capacity	9 GPM @ 4000 rpm
OIL COOLER	
Make	Harrison
Material	Aluminum
Location	Rear of left cylinder bank
By-pass valve function	Allows cold oil to by-pass cooler
By-pass cooler begins to open	10 PSI

Electrical System

		HIGH TORQUE 145
IGNITION SWITCH		
Position		4-position; Off, unlocked Off, On and Start
IGNITION COIL		
Make		Delco-Remy
Model		1115135
Amperes drawn	Engine stopped	4.0
	Engine idling	1.8
STARTING MOTOR		
Make		Delco-Remy
Model	Manual transmission	1108306
	Automatic transmission	1108307
Test data		
Amperes		69
Volts		10.6
RPM		7675
Drive	Engagement type	Solenoid
	Number of teeth	9
	Gear ratio clutch starter	16.3:1
	Ring gear to starter	16.3:1
GENERATOR		
Make		Delco-Remy
Model		1102227
Type		2-brush shunt
Drive		Blower belt
Pulley size		2.88 PD
Maximum generator output RPM (hot)		2400
Engine RPM @ maximum generator output		1065
Ratio (generator to engine speed)		2.30:1
Amperes		30
GENERATOR – 35 AMP. RPO K71		
Make		Delco-Remy
Model		1105135
Pulley size		2.55 PD
Type		Low cut-in heavy duty
Charging rate		7-15 amps @ idle, 35 amps. @ 14-16 MPH
Ratio (generator to engine speed)		2.6:1

		HIGH TORQUE 145
VOLTAGE AND CURRENT REGULATOR		
Make		Delco-Remy
Model		1119001
Type		Vibrator
Cut-out relay	Closing voltage @ generator RPM	11.8-13.5 @ 1300
	Regulated voltage	14.5
	Regulated current amperes	30
DISTRIBUTOR		
Make		Delco-Remy
Model		1110294
Housing material		Aluminum
Location		Rear engine housing
Driven off		Crankshaft
Breaker arm tension		19-23 ounces
Centrifugal spark advance begins @ RPM		400
Maximum degrees @ RPM		3.2 @ 3600
Vacuum advance begins		4.0 inches mercury
Maximum degrees @ inches of mercury		24.5° @ 25
Breaker gap		.019
Nominal cam angle (dwell)		33°
Rotation		Clockwise
IGNITION TIMING		
Crankshaft degrees (initial setting)		4° BTC
Mark location		Crankshaft pulley
Firing order		1-4-5-2-3-6
SPARK PLUGS		
Make		AC
Model		46-FF
Thread size		14 MM
Gap		.035
Torque (lbs. ft.)		25
BATTERY		
Make		Delco
Model		1980556
Voltage rating		12
Capacity		40 amp. hr. @ 20 hr. rate
Plates per cell		9
Terminal grounded		Negative
Location		In engine compartment on LH side

CLUTCH



Clutch

GENERAL	
Type	Single plate, dry disc
Rated torque capacity	160 lbs. ft.
CLUTCH SPRING	
Material	Spring steel heat treated
Total pressure	1000-1200 lbs.
Release	Diaphragm action, spring pivots on pivot ring
DRIVEN DISC	
Type	Cushion plate with two facings
Number of facings	Two
Material	Woven type asbestos
Outside diameter	9.12
Inside diameter	6.12
Area (both facings)	71.82 sq. in.
Thickness	0.132-0.138
BEARINGS	
Clutch release bearing	Chevrolet # 907052
Lubrication	Permanently lubricated
Pilot bearing	Chevrolet # 6256648
Type	Sintered powdered bronze, oil impregnated
Outside diameter	0.8835-0.8845
Inside diameter	0.5915-0.5925
Width	0.740-0.760
Lubrication	Self-lubricating
CONTROLS	
Clutch fork type	Forged, pivot mounted
Pedal mounting	Mounted through floor
FLYWHEEL	
Type	3-piece, flexible construction
Material	Cast iron
Weight	18.7 lbs
Starter to ring gear ratio	16.3:1
Ring gear pitch diameter	12.25

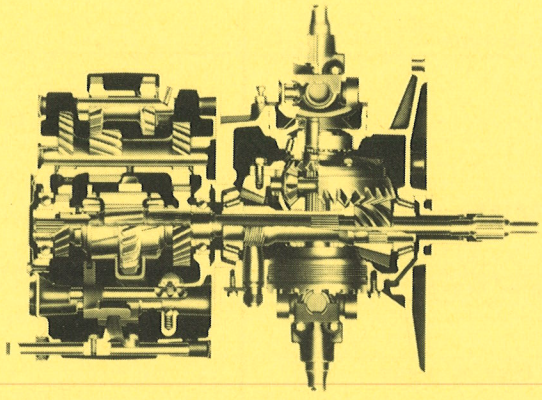
Rear Drive

GENERAL		
Type		Differential integral with engine and transmission
AXLE SHAFT		
Type		Forged & hardened steel with wheel drive flange forged integral with shaft
Diameter		1.296
Hub attachment		Bolted to integrally forged wheel drive flange
Drive flange diameter		6.16
DIFFERENTIAL*		
Type		2 pinion
Pinion teeth quantity		10
Pinion bearing		OD 2.6875-2.6885
DRIVE DATA		
Rear axle ratio		3.89:1
Ring gear		35
Pinion gear		9
Pinion offset		1.75
LUBRICANT		
Capacity		3.1
Type		Multi-purpose gear lube (SAE 80)
DIFFERENTIAL BEARINGS		
Type		Roller
Bearing	OD	3.0625-3.0626
	ID	1.7812-1.7817
	Backlash	.005 - .008
MAIN SHAFT BEARINGS		
Type		Barrel roller
Inside diameter		1.1802-1.1807
Outside diameter		2.440-2.442

* - Positraction type differential available as RPO G81

Transmission

GENERAL	
Make	Chevrolet
Type	3-Speed synchromesh
Location	In rear compartment integral with engine
Transmission case material	Cast aluminum alloy
GEARSHIFT	
Control	Remote
Type	Lever
Location	Floor mounted
GEARS	
Type	Helical
Material	Forged steel, hardened
Synchronization	2nd and 3rd
Constant mesh gears	2nd and 3rd
GEAR RATIOS	
First	3.50:1
Second	1.99:1
Third	1.00:1
Reverse	3.97:1
LUBRICANT	
Type recommended	Multi-purpose gear-SAE80
Capacity	3.1 pints



Transaxle with Optional Automatic Transmission

GENERAL	
Make and type	Chevrolet, hydraulic torque converter with automatic planetary gear system for reverse and low
Transmission case material	Cast aluminum alloy
Maximum overall transmission ratio	4.73:1
Low gear drive or low range	4.73:1 to 1.82:1
Reverse range	4.73:1 to 1.82:1
Oil type	Automatic transmission fluid type "A"
Oil filler location	Right side of engine
Oil capacity (pints) Dry	13
Oil capacity (pints) Refill	6
Oil cooled by	Air
Selector lever location	To right of steering column on ins. panel
Drive range - representative shift points	
Closed throttle	
Upshift	34-41
Downshift	23-30
Full throttle	
Upshift	41-47
Downshift	38-44
HYDRAULIC CONTROLS	
Manual valve type	Spool
Pressure regulator valve type	Spool
Governor	
Type	Centrifugal
Drive	From transmission output shaft
HYDRAULIC TORQUE CONVERTER	
Type	Three element
Clutches	Multiple disc
High, number and type of discs	
Driving	Two, non-metallic faced
Driven	Three, steel
Reverse, number and type of discs	
Driving	Four, non-metallic faced
Driven	Three steel plate and one cast iron pressure plate

PLANETARY GEAR UNIT	
Type	Compound planetary
Gear ratio	
Cruising range	1:1 (direct drive)
Low range	1.82:1
Reverse	1.82:1
Low brake band	Double-wrap design
Low band servo, type	Piston, one release spring

Transaxle with Optional 4-Speed Transmission

GEARS	
Type	Helical on all forward speeds, spur on reverse
Material	Forged steel, hardened
Synchronization	1, 2, 3, 4
Constant mesh gears	1, 2, 3
Sliding	Reverse
Ratio First	3.65:1
Ratio Second	2.35:1
Ratio Third	1.44:1
Ratio Fourth	1.00:1 (direct)
Ratio Reverse	3.66:1

Bearings

TRANSMISSION	
3-speed synchromesh	
Counter gear	435847, roller
Reverse idle gear	457202, roller
Clutch gear	904912, ball
Transmission rear	907258, ball
4-speed synchromesh	
Transmission mainshaft	904912, single row ball
Transmission countershaft	9414193, roller
Transmission mainshaft front	7451240, roller
Transmission 2nd speed gear thrust	9415297, roller
Clutch gear	904912, ball
2-speed automatic	
Transmission planet pinion	6256059, needle
Transmission planet pinion	6256686, needle
ENGINE ANTI-FRICTION	
Engine blower	907175, double row ball
Blower belt idler pulley	907176, double row ball