

GENERAL



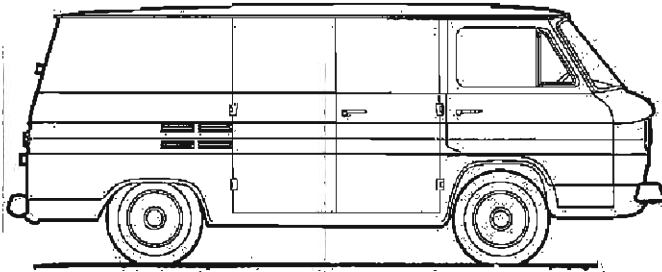
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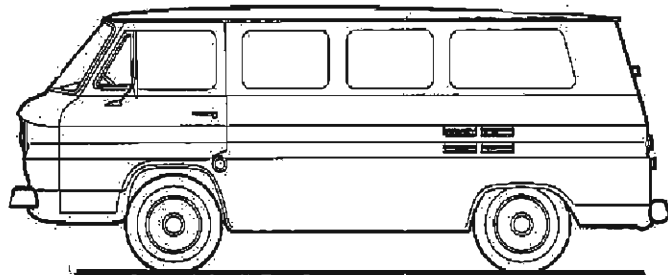
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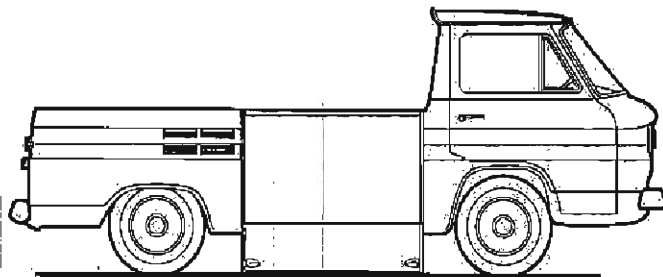
MODEL IDENTIFICATION



R1205 PANEL



R1206 SPORTS WAGON



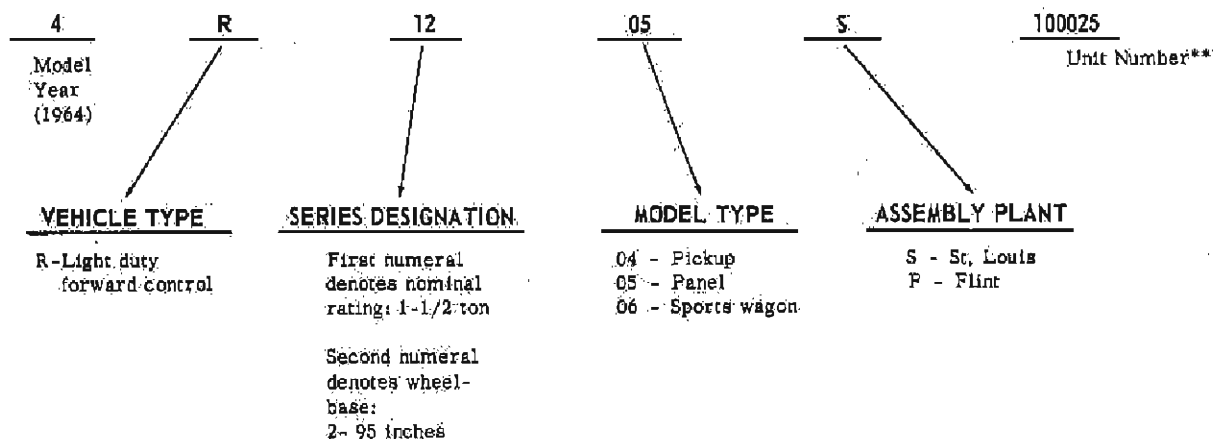
R1254 RAMPSIDE PICKUP

SERIAL NUMBERS AND IDENTIFICATION

Vehicle Serial Number Identification

EXAMPLE:

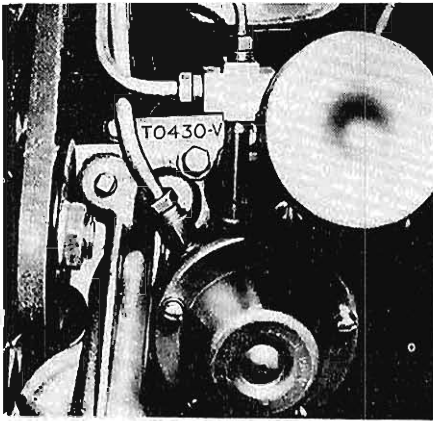
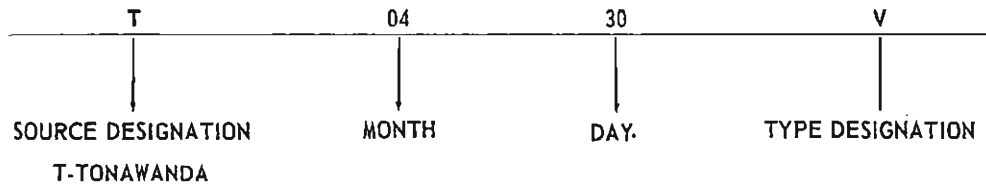
Stamped on plate located on left hand hinge pillar, 4R1205S100025 indicates that a 1964 model R1205 (Mght. duty forward control panel) was the 25th unit built at St. Louis.



** - Starting unit number is 100001 at each assembly plant regardless of series.

Engine Identification

EXAMPLE:



- V - Base engine
- VA - Used with RPO L90
- VB - Used with RPO L62
- W - Used with RPO M35
- WA - Used with RPO L90 and Powerglide
- WB - Used with RPO M35 with High-Performance

LOCATION: STAMPED ON TOP REAR
SURFACE OF CRANKCASE
LEFT HALF

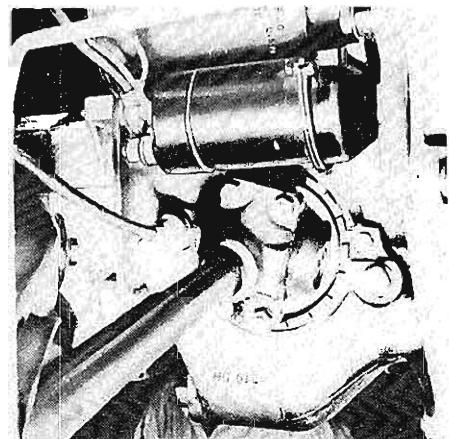
Rear Axle Identification

EXAMPLE:



- HQ - Base axle
- HR - Used on R10 with RPO G81
- HS - Used on R10 with RPO M35
- HT - Used on R10 with RPO G81 and Powerglide transmission

NOTE: These axles are built at Buffalo

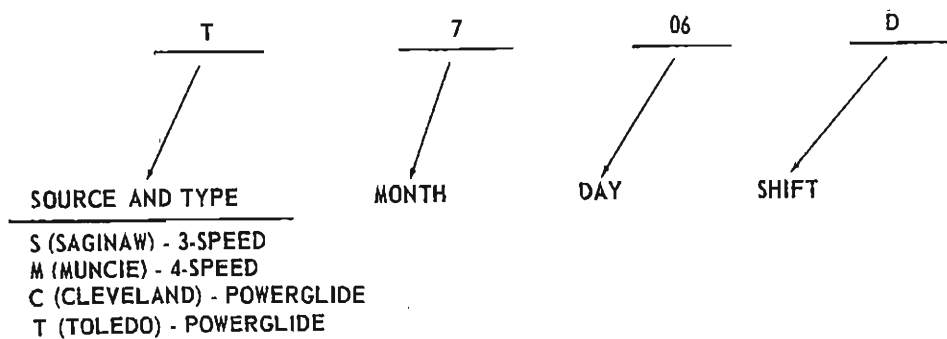


LOCATION: STAMPED ON LOWER
LEFT SIDE OF
CASTING

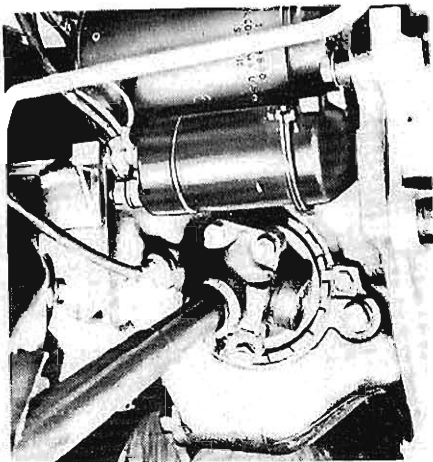
SERIAL NUMBERS AND IDENTIFICATION-Cont'd.

Transmission Identification

EXAMPLE:

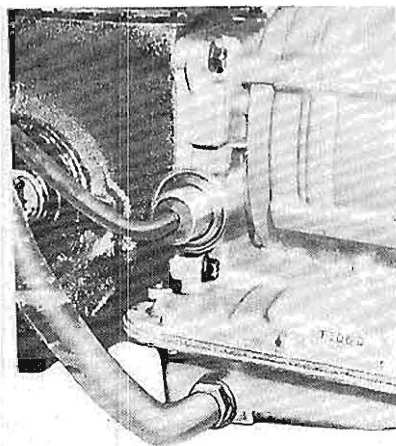


3-SPEED & 4-SPEED



LOCATION - - - STAMPED ON UPPER LEFT
DIFFERENTIAL MOUNTING
BOSS

POWERGLIDE



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

VEHICLE WEIGHTS

MODELS	WITH STANDARD EQUIPMENT						CUBIC CAPACITY (CU.FT.)	WITH MINIMUM EQUIPMENT MAXIMUM GVW			
	SHIPPING *			CURB *				BODY & OR PAYLOAD	PAYLOAD DISTRIBUTION		LOAD LENGTH (IN.)
	FRONT	REAR	TOTAL	FRONT	REAR	TOTAL			FRONT	REAR	
R1205	1205	1595	2800	1320	1595	2915	191.0	1,700	50%	50%	155.6
R1206	1270	1750	3020	1380	1750	3130	175.5¢	1,500	49%	51%	#
R1254	1280	1385	2665	1390	1385	2775	82.5	1,850	39%	61%	109.2

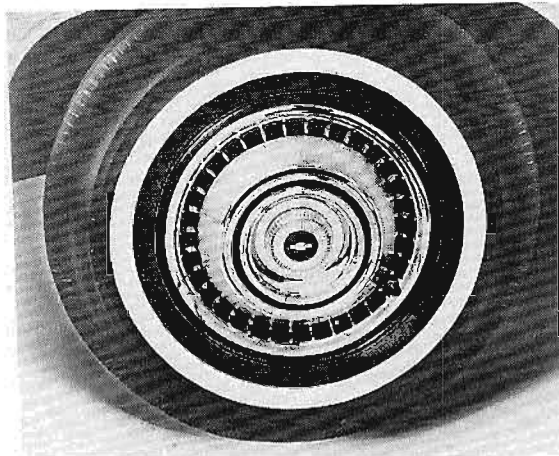
* - Estimated weight.

¢ - Based on three passengers.

- Payload distribution based on a payload of nine passengers.

DEALER INSTALLED ACCESSORIES

Belt - Seat
Carrier - Roof Luggage
Clock - Instrument Panel
Container - Litter
Cover - Roof Luggage Carrier
Cover - Wheel Trim
Deflector - Rain
Fire Extinguisher
Guard - Bumper (Chrome or Painted)
Harness - Wiring
Heater and Defroster (Gas)
Heater and Defroster (Direct Air)
Lamp - Courtesy
Lamp - Directional Signal
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
Reflector - Reflex
Rest - Door Arm (Front Door)
Sunshade - Right Hand
Switch - Glove Compartment Light
Tool Kit
Tent and Camping Equipment
Washer - Windshield



A09	Laminated Glass
A12	Rear Door Glass
A37	Seat Belt - Custom Deluxe
A49	Front Seat Belt - Custom Deluxe - with Retractors
A54	Full Width Seat
A57	Auxiliary Seat
A59	Supplementary Seat
A62	Less Seat Belt Equipment
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 Air Cleaner
K71	35 Amp Low-Cut-In Generator
L62	High Performance Engine
M20	4-Speed Transmission
M35	Powerglide Transmission
P01	Wheel Trim Cover
U60	Manual Radio
V37	Chrome Bumper
Z12	Speedometer Driven Gear
Z60	Custom Equipment

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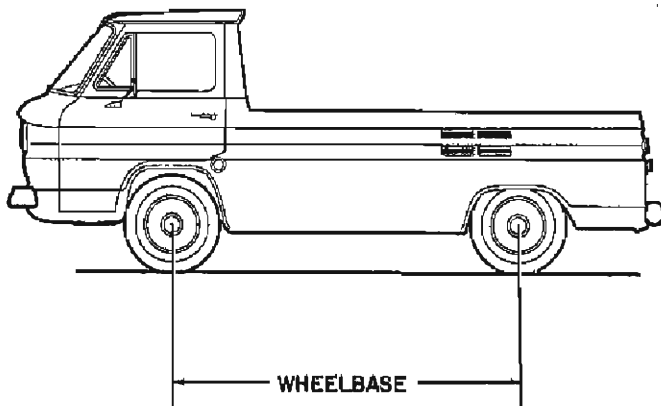
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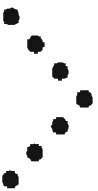
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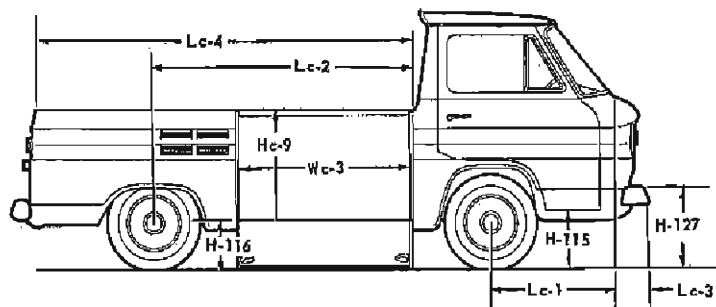
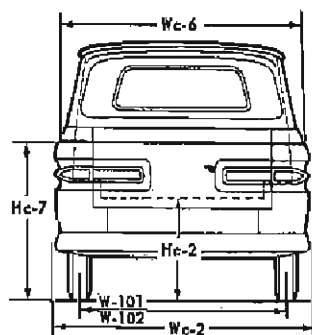
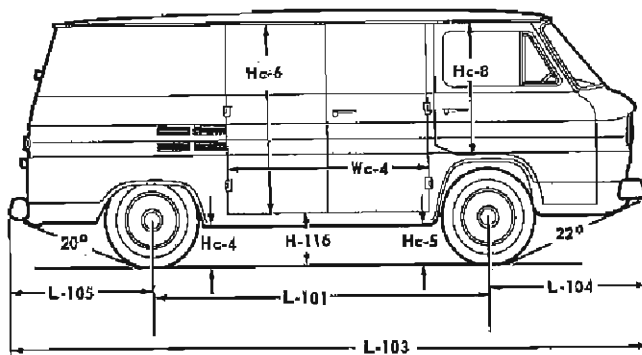
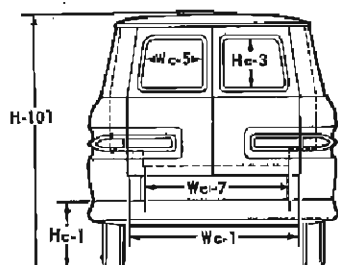
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VEHICLE DIMENSIONS



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HEIGHTS

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	

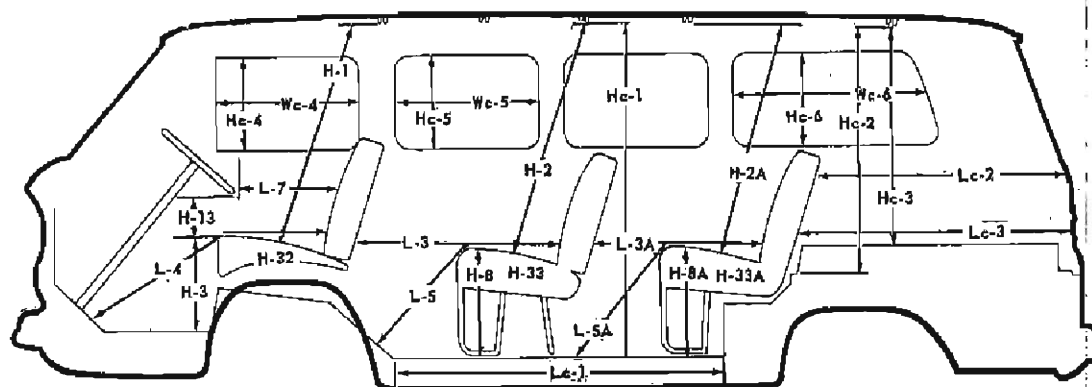
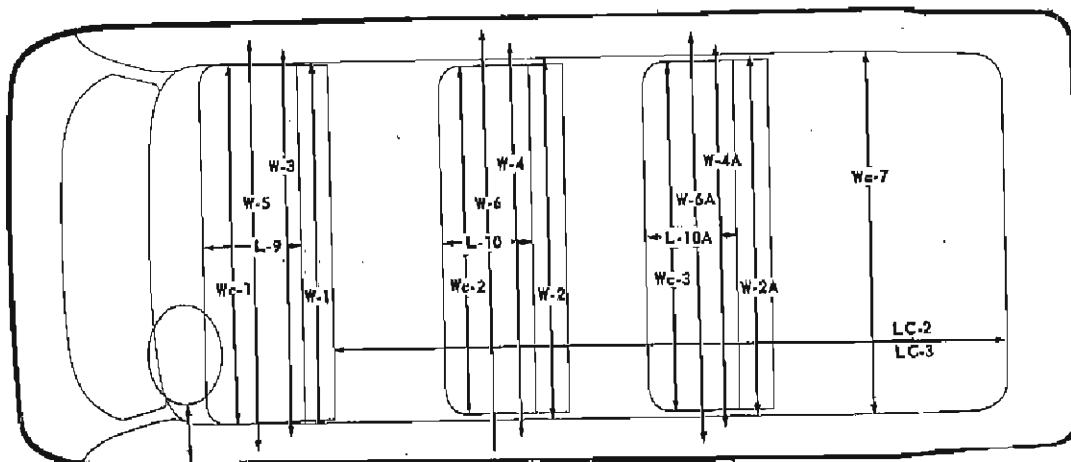
LENGTHS

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 \mathcal{C} of front wheels		38.39	
Lc-2	Back of cab to \mathcal{C} 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 wheelhouses		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	

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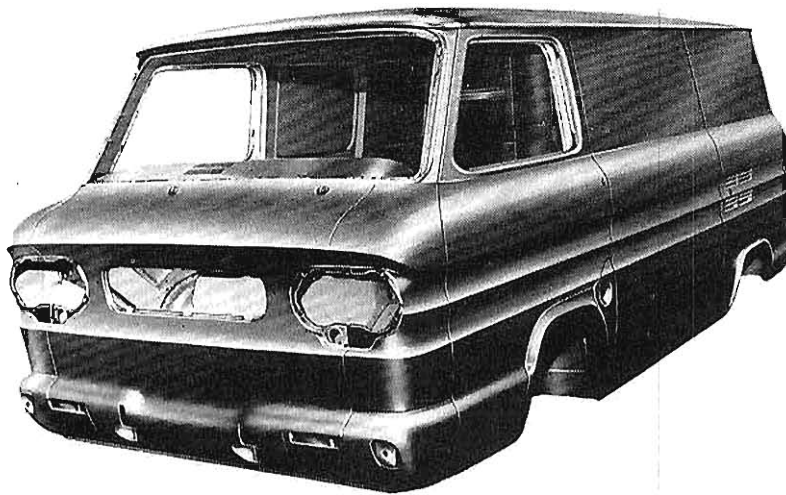
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BODY



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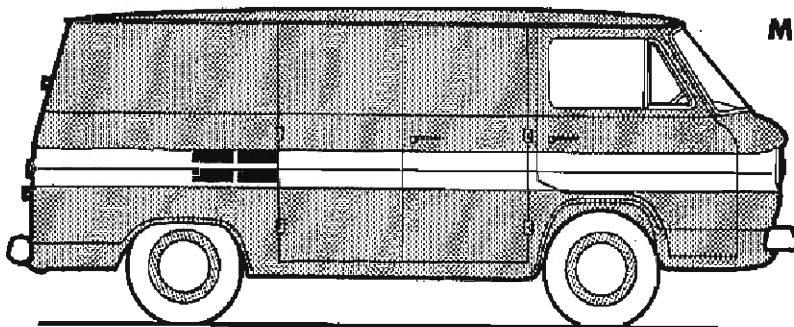
EXTERIOR COLOR COMBINATIONS

Body Colors

SOLID COLOR OR MAIN 2-TONE COLOR	SECONDARY 2-TONE COLOR	OPTION NUMBER	
		SOLID	2-TONE
FAWN (NEW)	OFF-WHITE	528	558
BLACK		500	530
BLUE, DARK		508	538
BLUE, LIGHT (NEW)		507	537
COPPERTONE		524	554 *
GRAY (NEW) ‡		522	552
GREEN, LIGHT (NEW)		503	533
GREEN, DARK		505	535
GRAY-GREEN (NEW) ‡		529	559
ORANGE		516	546
RED		514	544
TURQUOISE (NEW) ‡		510	540
OFF-WHITE	RED	526	541
WHITE		521	545
YELLOW	OFF-WHITE	519	549

* - Available for Model R1206 only.

‡ - Metallic color.



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	Off-White *
Wheels, Solid Color Models	Black **
Wheels, Two-Toned Models	Main Body Color #
Hub Caps	Off-White *
RPO Outside Rear View Mirror Arms	Main Body Color ‡
RPO Outside Rear View Mirror Cases	Black ‡

* - White substituted for models painted White.

** - Main body color used for Model R1206.

- Secondary color substituted when main body color is White.

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

* - 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		Charcoal
Dash panel	Painted vinyl-covered jute	White
Roof panel trim pads		
Left and right hand sunshades	Composition board	Med. fawn, lt. green, red, or turquoise ‡
Rear quarter trim pads Upper		
Lower	Leather-grain vinyl	
Door and L.H. sidewall trim pads **		
Left and right hand Upper	Plastic	White
armrests # Lower		
Front and rear compartment dome lamps		
Coverings	Expanded leather-grain vinyl	Med. fawn, light green, red, or turquoise ‡
Seats Facings and backrest bolsters exc. center bolster	Leather-grain vinyl	
Rear of backrest		
Rear compartment seat legs	Painted metal	
Center backrest bolster	Leather-grain vinyl	White
Floor coverings and door and sidewall scuff area	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 Light Green and Dark Green; Turquoise with Black and Turquoise; Red with Gray, Red, White, Off-White; Medium Fawn with all other exterior colors.

** - Includes White vinyl inserts with textured rubber scuff area, and bright metal defining scuff area.

‡ - Choice depends upon main interior color.

- Rear compartment armrests included when RPO A59 is stipulated.

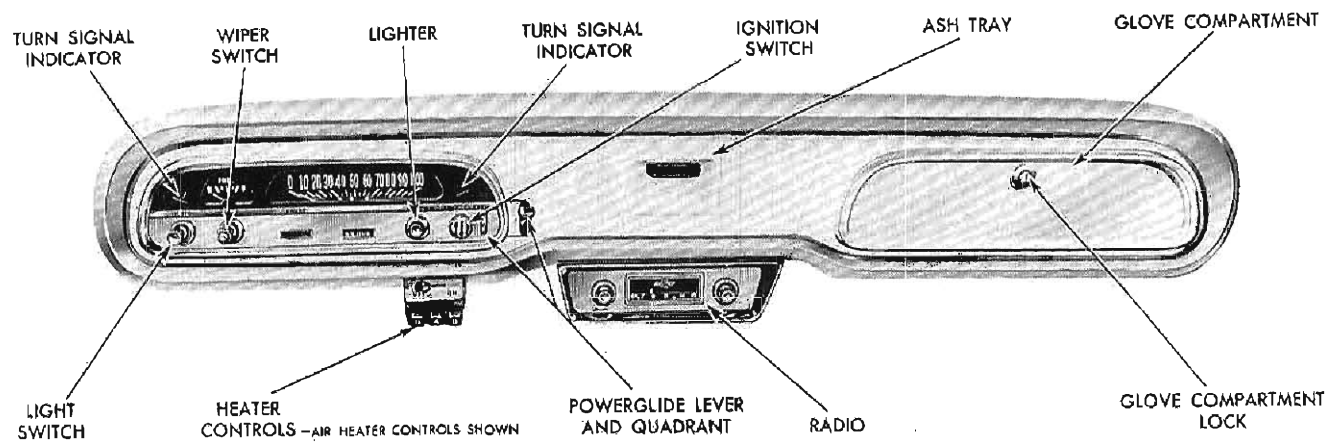
Model R1206 Regular Production

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	X		X
Dispatch Box Door (with Lock)	X	X	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
Seat belts - driver & front passenger			X

INSTRUMENTS AND CONTROLS



APPEARANCE

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 padding for seat backrest (3/4 inch foam)
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 with chrome horn ring
Bright-finished rear compartment ash tray
In front seat backrest
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
Anodized aluminum trim plate for dispatch box door
Special seat trim
Special padding for seat backrest (3/4 inch foam)
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)	Ventri-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						330.65 sq. in.	2400.92 sq. in.
Panels	1170.95 sq. in.	197.36 sq. in.	702.16 sq. in.			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

EQUIPMENT-GENERAL

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

ELECTRICAL

HEADLAMPS

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

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.

Lamp Usage

TRADE NO.	RATING	PART NO.	ITEM	QUANTITY	APPLICABILITY	
					STD.	RPO
1445	1CP	274004	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
1895	2CP	9417863	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
1155	4CP	9417865	License	2	X	
89	6CP	142452	Courtesy	2		X
211	12CP	9414045	Dome	1	X	
			Rear Compartment Dome	1		**
1157	32/4CP	9417867	Tail, Stop, & R. Direction Signal	2	X	
1156		9417866	Parking & F. Direction Signal	2	X	
1691	2CP	456985	Radio Dial	1		X
4001	37.5W	5956001	Headlamp-Inner	2	X	
4002	ø	5956002	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.

ø-Upper beam, 37.5W; lower beam 55W.

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)
SAB	20	106653	Fuse Block	Instrument Cluster Lamps
				Windshield Wiper Motor
3AG or AGC	10	117142		Gas Heater Purge Switch (Accessory)
				Spotlamp (Accessory)
	15	120151		Gas Heater Blower (Accessory)
				Tail, Stop, Dome Lamp
				Dispatch Box Lamp (Accessory)
Circuit Breaker	15	1995099	Air Heater Blower (Accessory)	
		383638	Courtesy Lamp (Accessory)	
Flasher				Open Side Door Tell-Tale (Option)
				Radio Receiver (Accessory)
				Headlamps & Parking Lamps
				Direction Signal Lamps

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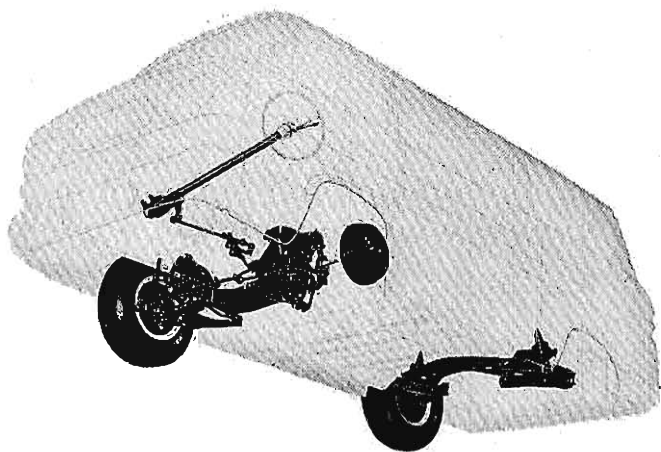
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FRONT SUSPENSION	3
FRONT SPRINGS	4
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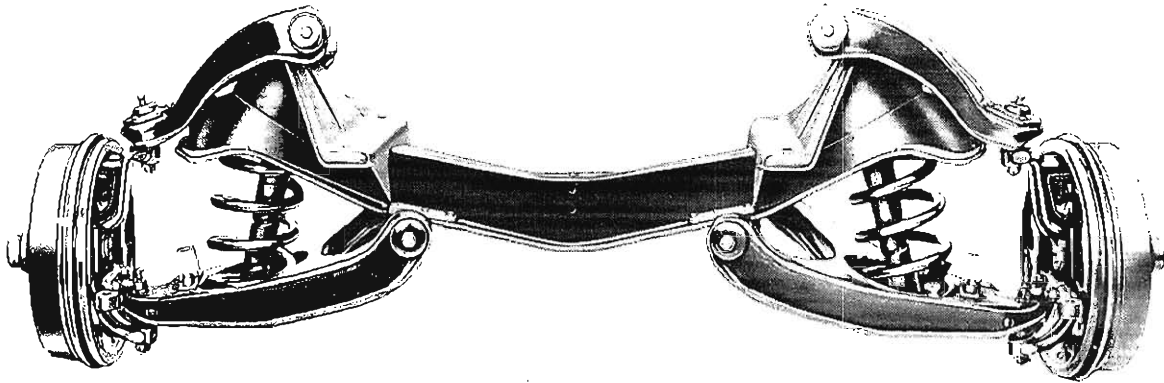
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FRONT SUSPENSION



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 Type Diameter	Double wall steel tubing with rubber insert Serrated, press fit I. D. .670-.677; O. D. 1.276-1.281
Upper Control Arm Pivot Shaft	Material Diameter Length	Forged steel .666 12.66
Upper Control Arm Bumper	Material Diameter	SAE R415 1.50 inches
Lower Control Arm Bushing	Material Type Diameter	Double wall steel tubing with rubber insert Serrated, press fit I. D. .737-.744; O. D. 1.323-1.328
Lower Control Arm Pivot Shaft	Material Diameter Length	Forged steel .733 14.36
Lower Control Arm Bumper	Material Diameter	SAE R620 K2 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
	Ball Diameter Lower	1.246-1.250
Steering Knuckles	Ball stud seal material	Rubber
	Socket lubrication	Chassis grease
	Material	Forged, heat treated steel
	Spindle diameter @ Inner brg	1.2490-1.2495
	Spindle diameter @ Outer brg	.7490-.7495
Steering Knuckles	Spindle thread	3/4-20

FRONT SUSPENSION-Cont'd.

Springs

RATED CAPACITY (EACH SPRING)		SPRUNG GROUND	1040 1150	905 1015
SERIES APPLICATION			R1205, R1254 RPO (F60) 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
Tensile strength			190,000 psi	

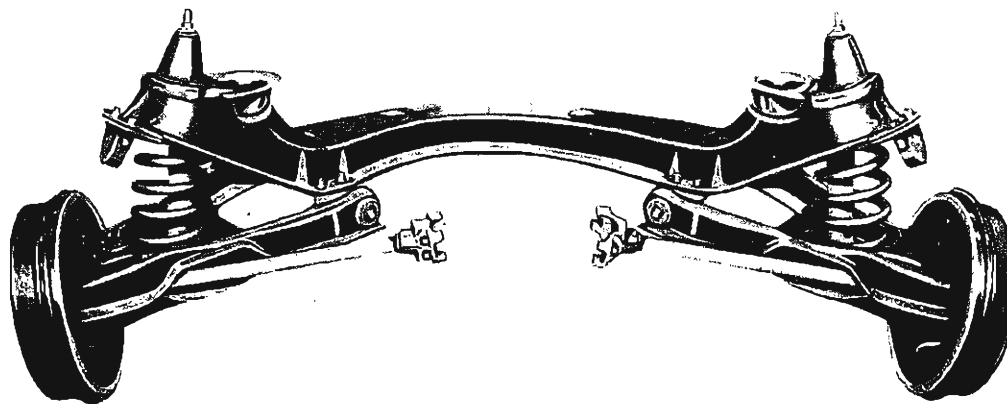
FRONT SHOCK ABSORBERS

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/NZ
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

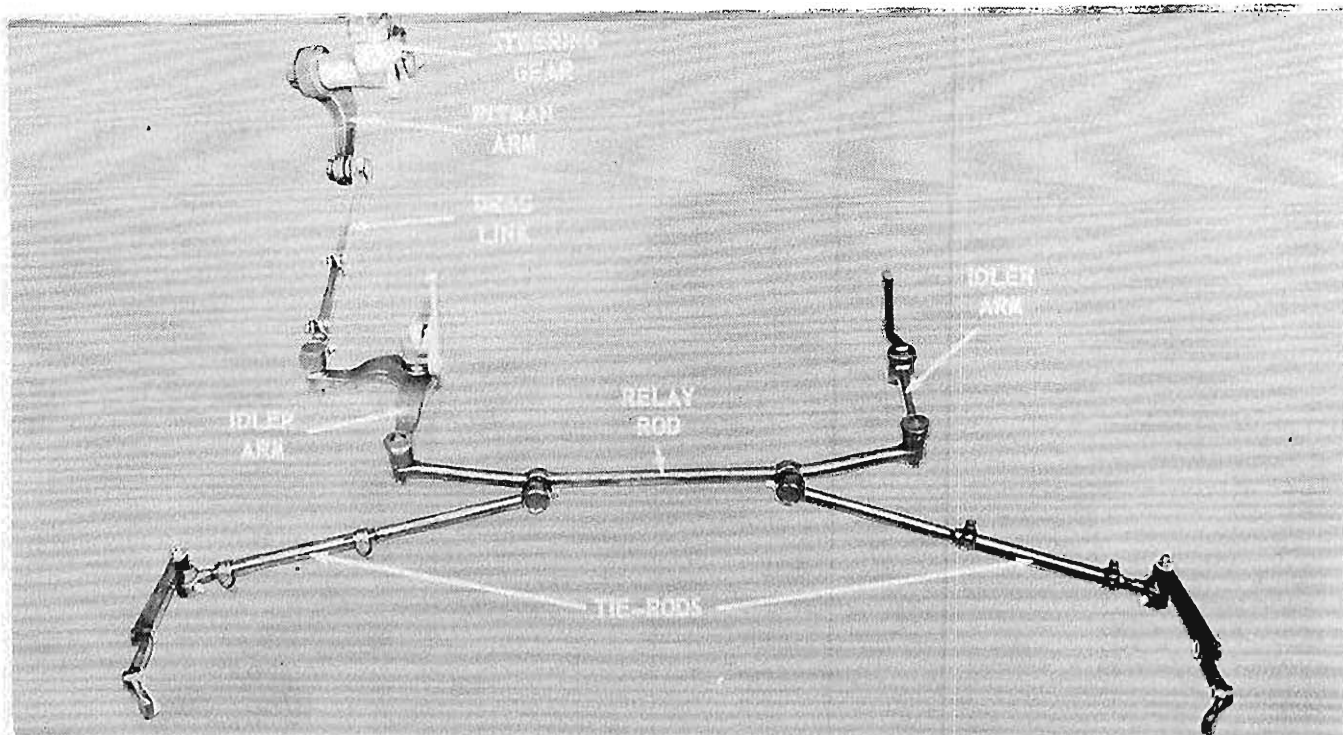


RATED CAPACITY (LBS.)		2500
Make		Chevrolet
Type		Independent swing type, using hat section type lower control arms, coil springs and shock absorbers
Control Arm Material		Steel stampings
Control Arm	Type	Rubber bushed at both ends
Pivot Shaft	Attachment	Bolted to crossmember
	Material	Drop forged steel
	Diameter	.731-.736
	Length	14.31
Control Arm Bushings	Material	Stainless steel
	Outer sleeve	Case hardened, carbo-nitride
	Inner sleeve	Serrated, pressed fit
	Type	
	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

RATED CAPACITY (EACH SPRING)		SPRUNG GROUND	1050 1150
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

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
Type			Worm welded to steering shaft
Worm and steering shaft	Bearings	Type	Ball
		Part number	266800
	Upper & lower Bearing	Type	Single row ball
		Part number	5666693

Steering Linkage

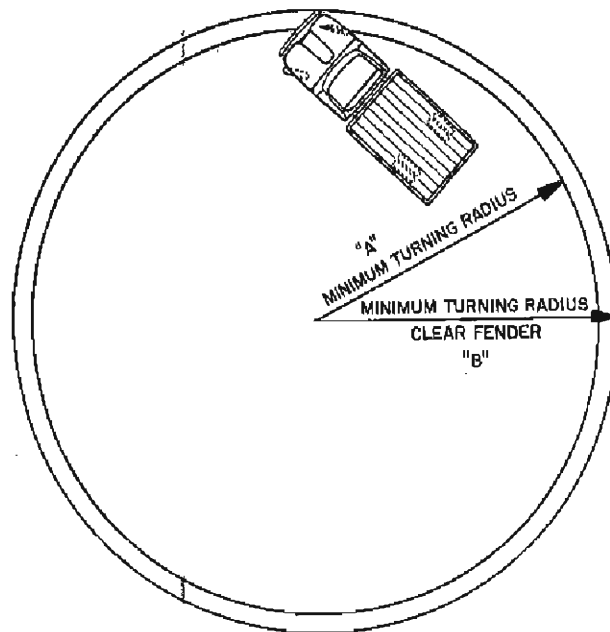
Type	Parallel relay
Number of tie rods	Two
Tie rod type	Adjustable dual equal length
Idler arm mounting	On RH frame side rail
Relay rod	One, with tie rods attached
Connecting rod attachment	To pitman arm at one end and to steering relay and connecting rod arm assembly at the other end

Turning Radii

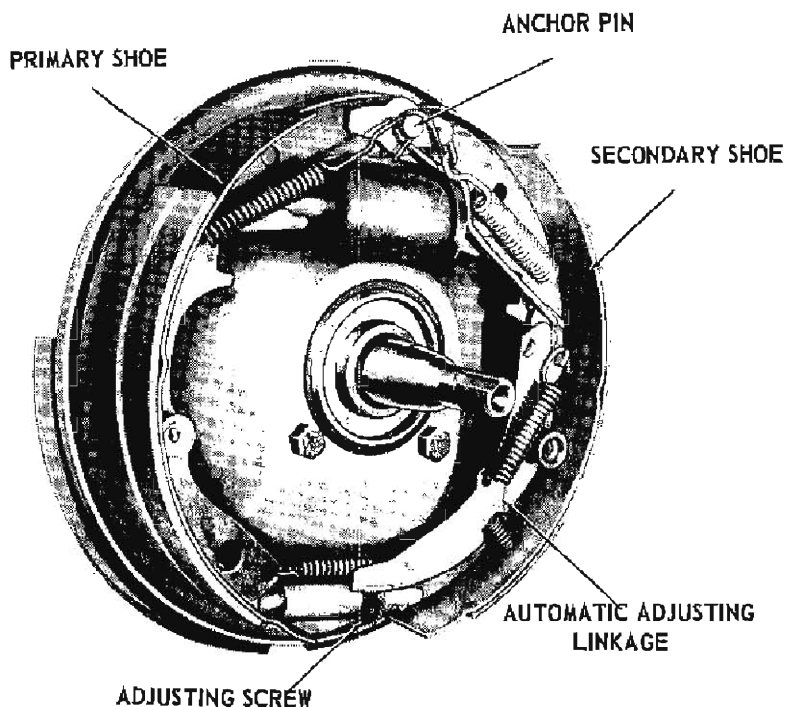
Radius clearance at curb	19.6 feet
Wall to wall clearance	21.3 feet

"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

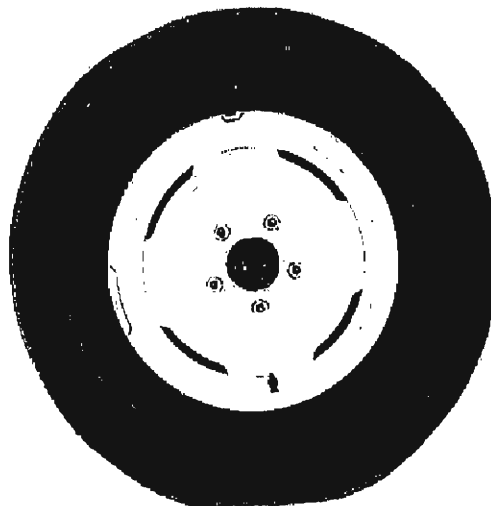


Service and Parking Brake

Type	Duo-Servo, 4-wheel hydraulic, self-adjusting	
Drum	Type	Composite
	Material	Rim Web
		Cast alloy iron Pressed steel
	Diameter	Front Rear
		10.955 10.955
	Effective area	275.33 sq. in. total
Lining	Material	Full molded asbestos
	Width	Front Rear
		2.000 2.000
	Facing	Front
	Thickness	Rear
		.168 .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 Rear
		1.125 1.000
	Brake Distribution	Front Rear
		50% ± 2% 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

R OR RPO	FRONT	DESCRIPTION	BASE OR RPO	REAR	DESCRIPTION	SHORT SPOKE DISC WHEEL		ATTACHMENT		BOLT CIRCLE DIA.
						SIZE	OFF- SET	STUDS NO.	DIA.	
Base	7.00-14-4	Hwy. Ray. -TL	Base	7.00-14-4	Hwy. Ray. -TL	14x5J	.56	5	7/16	4.75
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					
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		MAXIMUM RATED CAPACITY (LBS.)		MAXIMUM INFLATION PRESSURE (LBS.)		UNLOADED OUTSIDE DIA. (IN.)	SECTION WIDTH (IN.)	LOADED RADIUS (IN.)	REVOLUTIONS PER MILE (LOADED)
		PASS.	TRUCK	FRONT	REAR	FRONT	REAR				
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	26.4	7.0	12.3	800
R22											
R24	7.00-14-6		X		1145		45				
R25	7.00-14-8		X		1365		60				

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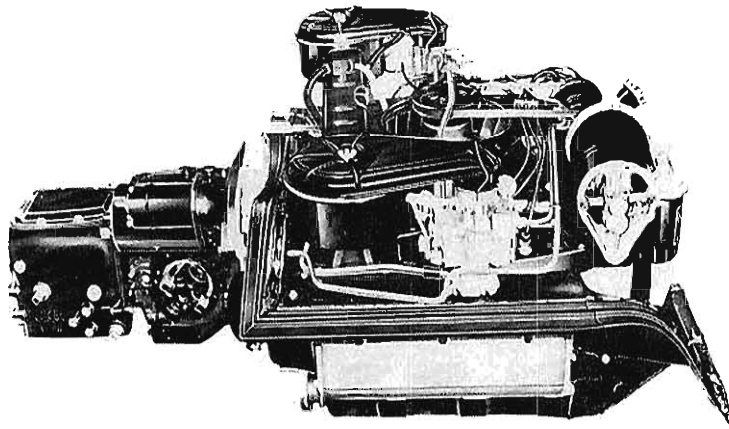
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POWER TRAINS



POWER TEAM COMBINATIONS	2
ENGINE SPEED	2
SIX CYLINDER ENGINE-HIGH TORQUE 164	3
CLUTCHES	14
TRANSAXLE	
REAR DRIVE	16
THREE SPEED TRANSMISSION	17
AUTOMATIC TRANSMISSION	18
FOUR SPEED TRANSMISSION	19
BEARINGS	19

POWER TRAIN COMBINATIONS

Power Train Combinations

ENGINE	CLUTCH	AXLE	TRANSMISSION	AVAILABILITY
Turbo-Air 164 cu. in. Standard and RPO (L62)	9-1/8" dia. ---	3.55:1 3.55:1 3.55:1	3-speed synchromesh 4-speed synchromesh 2-speed automatic	Standard Optional Optional

Multiplication Factors - Manual Transmission

TRANSMISSION	TOTAL GEAR REDUCTION*				
	1ST	2ND	3RD	4TH	REVERSE
3-speed	12.43	7.06	3.55	---	12.43
4-speed	12.96	8.34	5.11	3.55	12.99

Multiplication Factors - Automatic Transmission

TRANSMISSION	TOTAL GEAR REDUCTION*	
	DRIVE	LOW & REVERSE
Two-speed Automatic	16.79-3.55	16.79-6.46

Engine Speed and Piston Travel

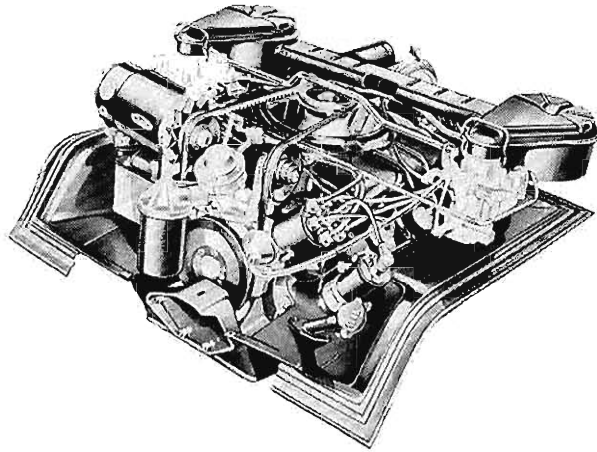
TRANSMISSION		THREE SPEED	FOUR SPEED	AUTOMATIC
Tire Size		7.00-14-4PR		
Crankshaft revolutions per mile		3150.90		
Axle ratio		3.55:1		
Crankshaft RPM @ 1 mph †	Low	183.8	191.6	229.4-95.5
	Reverse	183.8	192.2	---
	Second	104.5	123.4	52.5
	Third	52.5	75.6	---
	Fourth	---	52.5	---

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

* - Axle ratio x transmission ratio.

164 CUBIC INCH SIX CYLINDER ENGINE

BASIC SPECIFICATIONS



Engine Type ----- 6-Cylinder horizontally opposed OHV
Piston Displacement ----- 164 Cu.In.
Bore and Stroke (nominal) ----- 3-7/16" x 2-15/16"
Compression Ratio ----- 8.25 Standard; 9.25 RPO (L62)
Taxable Horsepower (SAE) ----- 28.4
Carburetor Type ----- Two 1-Barrel
Idling Speed: RPM's
Manual Transmission in Neutral ----- 450-500
Automatic Transmission in Drive ----- 450-500
Compression Pressure (engine hot) ----- 140 PSI
Dry Weights:
Engine and Clutch ----- 316
With Transmission ----- 425

ENGINE IDENTIFICATION

Engine Color ----- Black

HIGH TORQUE 164

	Standard	RPO (L62)
Gross Horsepower -----	95@3600 RPM	110@4400 RPM
Net Horsepower -----	78@3600 RPM	90@4000 RPM
Gross Torque, Ft. lbs. -----	154@2400 RPM	160@2800 RPM
Net Torque, ft. lbs. -----	140@2400 RPM	145@2800 RPM

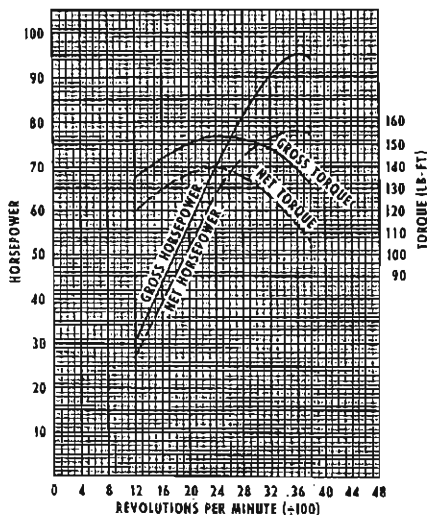
TEST PROCEDURES

These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92 mercury and 60°F dry air.

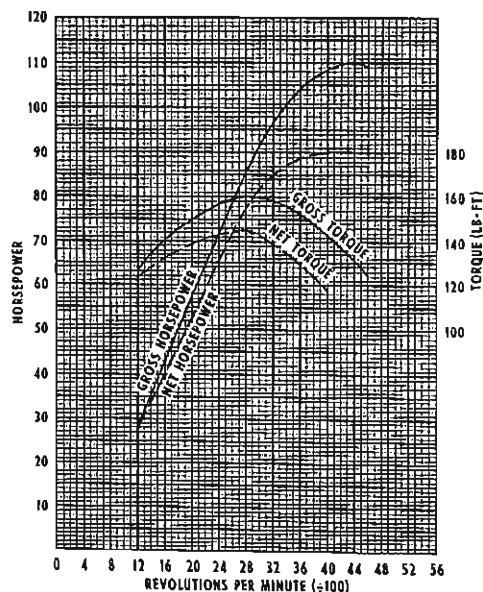
Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, Delcotron not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.

STANDARD



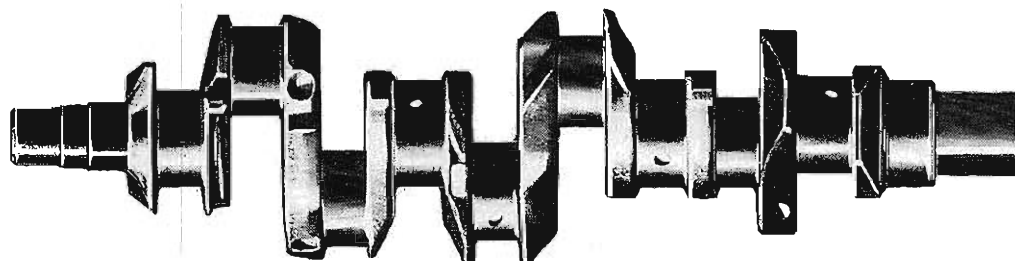
RPO (L62)



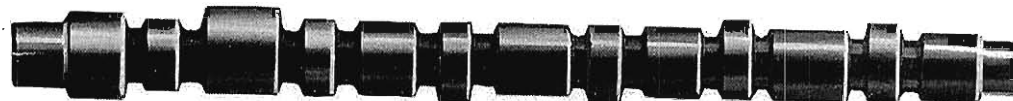
164 CUBIC INCH SIX CYLINDER ENGINE - Cont'd.

			STANDARD	RPO (L62)
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			2.935-2.945	
Pulley diameter			6.64	
Main Bearings	Type		Precision, removable	
	Material		Premium aluminum	
	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 arc *	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.



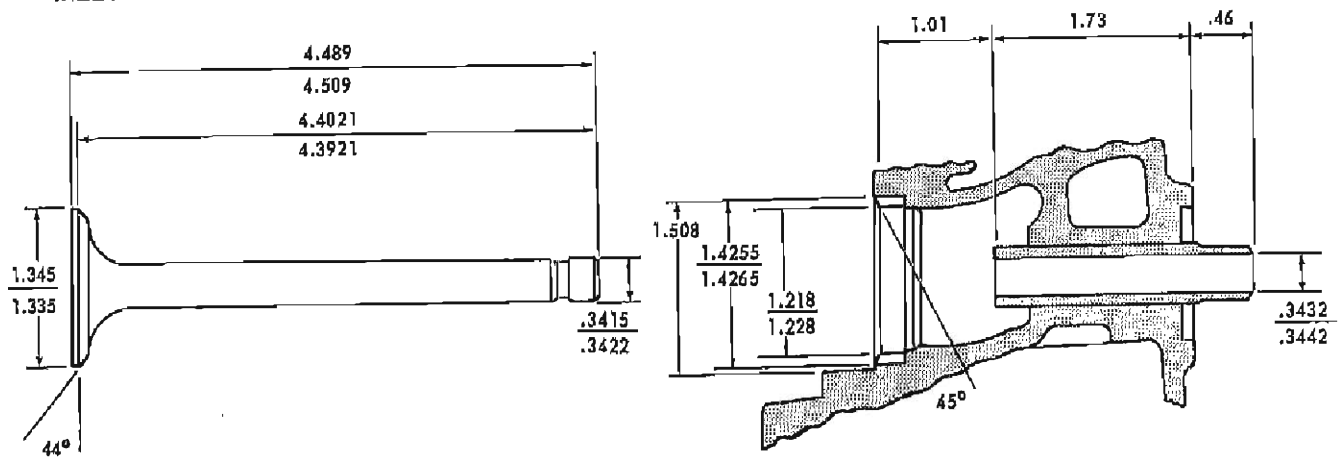
		STANDARD	RPO (L62)
CAMSHAFT			
Material		Cast alloy iron	
Drive		Gear	
Gear material	Crankshaft Camshaft	Steel Permanent mold cast aluminum	



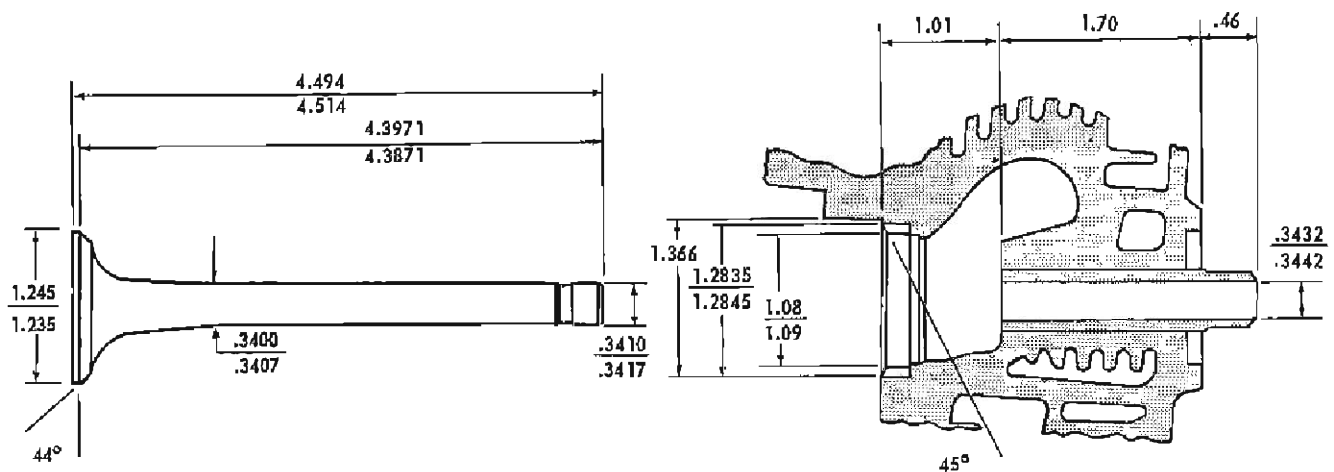
VALVE TRAIN			
Valve	Type	Rocker arm and ball stud, push rod actuated	
Operating	Lifters	Hydraulic	
Mechanism	Rocker arm ratio	1.57:1	
	Valve lash (hot)	Zero	
Timing mark location		Crankshaft pulley	
VALVE GUIDES			
Material	Inlet Exhaust	Cast iron Cast iron	
VALVE SPRINGS			
Free length inlet and exhaust		2.08	
Compressed length	Closed Opened	1.660 @ 78-86 lbs. 1.260 @ 170-180 lbs.	
VALVE SEAT INSERT MATERIAL			
Inlet		Cast nickel alloy	
Exhaust		Cast chrome steel alloy	
INLET VALVES			
Material		Alloy steel - Silichrome #1	
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		.4030	.4089

164 CUBIC INCH SIX CYLINDER ENGINE - Cont'd.

INLET



EXHAUST



		STANDARD	RPO (L62)
EXHAUST VALVES		High alloy steel, 21-4N	
Material			
Overall length		4.494-4.514	
Overall head diameter		1.235-1.245	
Seat angle (in head)		45°	
Stem diameter		.3413-.3418	
Stem to guide clearance		.0014-.0029	
Face angle		44°	
Facing material		Cobalt based alloy	
Valve Rotators		Retocoil	
Valve lift		.4030	.4089
VALVE TIMING			
Inlet valve	Opens	44° BTC	55° BTC
	Closes	88° BTC	105° BTC
Exhaust valve	Opens	78° BBC	97° BBC
	Closes	54° ATC	63° ATC
Exhaust and inlet valve ramp length	Opening	18°	18°
	Closing	28°	24°
Exhaust valve duration	W/ramp	312°	340°
	W/o ramp	266°	298°
Inlet valve duration	W/ramp	312°	
	W/o ramp	266°	
PISTONS		Slipper skirt, autothermic, flat head	
Type		.055-.065	
Offset			
Material		Cast alloy aluminum	
Weight (ounces)		15.6	
Topland clearance		.022-.031	
Skirt clearance		.0011-.0017	
Compression ring groove depth		.193-.199 #1 & 2	
Oil control ring groove depth		.194-.199	
Length		3.36	
PISTON PINS		Pressed in rod	
Type		Alloy steel	
Material		2.630-2.650	
Length		.7999-.8002	
Diameter		.00015-.00025	
Clearance		Major thrust side	
Direction of offset		.055-.065	
Piston pin offset			

164 CUBIC INCH SIX CYLINDER ENGINE - Cont'd.

		STANDARD	RPO (L62)
COMPRESSION RINGS			
Type		Inside bevel or counterbore	
Material		Cast alloy iron	
Coating		Upper-Chrome plated; Lower-Wear resistant	
Width		.0620-.0625	
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		.1249-.1269 (assembled)	
Wall thickness		.143-.149	
Gap		.015-.055	
CONNECTING RODS			
Material		Drop forged steel	
Length (center to center)		4.719-4.721	
Weight (ounces)		13.73	
CONNECTING ROD BEARINGS			
Type		Precision removable	
Material		Premium aluminum	
End play		.005-.010	
Clearance		.0007-.0028	
Effective length		.649	
Theoretical ID		1.8012	
Projected area		1.169	
Total area		7.014	
CAMSHAFT BEARINGS			
	Front	.83	
	Front intermediate	.86	
Effective Length	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.	

		STANDARD	RPO (L62)
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		Die-cast magnesium	
Diameter		11.20	
Bearing		Sealed, permanent lube ball bearing	
Number of vanes		11	
Drive		By "V" belt from crankshaft over idler and generator pulley	
Air flow		1460 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	
	Width	.380±.055	
	Angle of "V"	40°	
ENGINE COOLING AIR THERMOSTAT			
Type and quantity		Bellows-2	
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	

164 CUBIC INCH SIX CYLINDER ENGINE - Cont'd.

	STANDARD	RPO (L62)
Fuel and Exhaust System		
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		Paper
Location		Individually mounted to carburetors
CARBURETOR		
Number		Two (one per cylinder bank)
Make		Rochester
Model		7024023
Type		Single barrel, downdraft, with automatic choke
Fuel filter	Location	Fuel inlet
	Material	Sintered bronze
SAE flange size		0.75
Venturi	Type	Radial tube cluster
	Diameter	1.00
Throttle bore		1.25
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

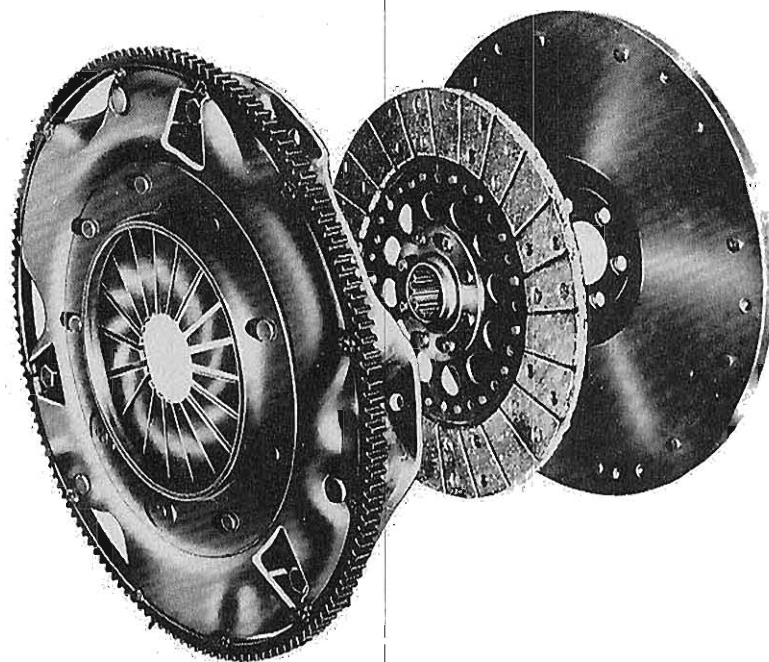
		STANDARD	RPO (L62)
Lubrication System			
GENERAL			
Type		Controlled, full pressure	
Main bearings		Pressure	
Connecting rods		Pressure	
Piston pins		Splash	
Cylinder walls		Cross sprayed	
Camshaft bearings		Pressure	
Hydraulic lifters		Pressure	
Timing gears		Sprayed	
Crankcase capacity	Dry	5.5 Qt	
	Refill	4.0 Qt	
Dipstick location		Right rear of engine	
Pressure gauge type		Electric	
Crankcase ventilation		Positive	
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		40 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	

164 CUBIC INCH SIX CYLINDER ENGINE - Cont'd.

		STANDARD	RPO (L62)
Electrical System			
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		1102336	
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)		2.31:1	
Amperes		35	
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	

		STANDARD	RPO (L62)
VOLTAGE AND CURRENT REGULATOR			
Make			Delco-Remy
Model			1119305
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			14MM
Gap			.035-.040
Torque (lbs. ft.)			25
BATTERY			
Make			Delco
Model			1980556
Voltage rating			12
Capacity			42 amp. hr. @ 20 hr. rate
Plates per cell			9
Terminal grounded			Negative
Location			In engine compartment on LH side
SPARK PLUG WIRES			
Type			Graphite impregnated braided rayon core
Cable size			7MM
Resistance			4000 Ohms per foot

CLUTCHES



Clutch

GENERAL	
Type	Single disk, dry plate centrifugal
Rated torque capacity	160 lbs. ft.
CLUTCH SPRING	
Material	Spring steel heat treated
Total pressure	1300-1600 lbs.
Release	Diaphragm action, spring pivots on pivot ring
Type	Circular plate diaphragm, bent finger design
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

TRANSAXLE

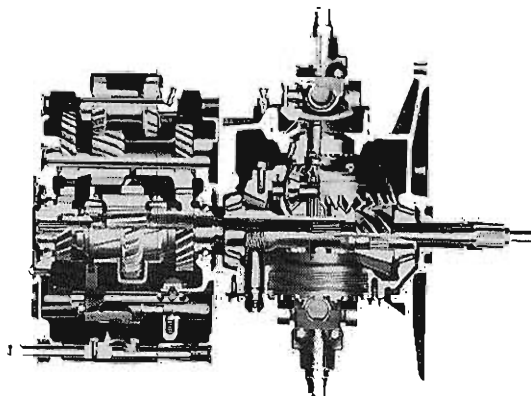
Rear Drive

GENERAL		Differential integral with engine and transmission
Type		
AXLE SHAFT		Forged & hardened steel with wheel drive flange forged integral with shaft
Type		
Diameter		1.296
Hub attachment		Bolted to integrally forged wheel drive flange
Drive flange diameter		6.16
DIFFERENTIAL*		2 pinion
Type		
Pinion teeth quantity		10
Pinion bearing		OD 2.6875-2.6885
DRIVE DATA		
Rear axle ratio		3.55:1
Ring gear		32
Pinion gear		9
Pinion offset		1.75
LUBRICANT		3.1
Capacity		
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-Cont'd.

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 cooled by	Air
Selector lever location	To right of steering column on ins. panel
Oil capacity (pints)	13
Refill	6
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
First	3.65:1
Second	2.35:1
Ratio Third	1.44:1
Fourth	1.00:1 (direct)
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

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