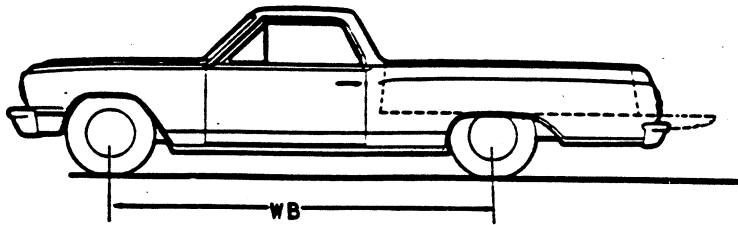
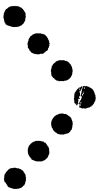


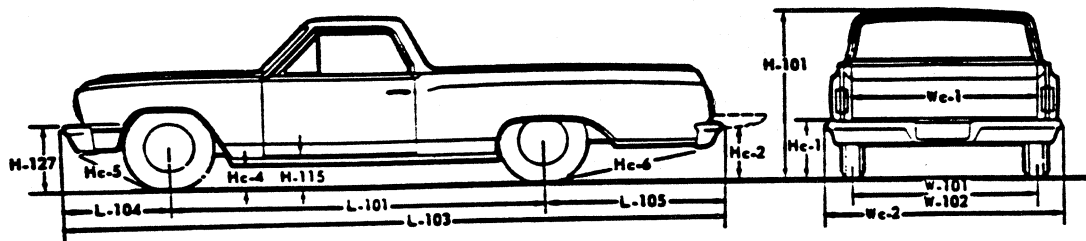
VEHICLE DIMENSIONS



EXTERIOR DIMENSIONS	3
INTERIOR DIMENSIONS	5



EXTERIOR DIMENSIONS



LENGTHS

L-101	Wheelbase	115.0
L-103	Overall length	198.8
L-104	Front overhang	30.8
L-105	Rear overhang	53.0

HEIGHTS

H-101	Overall height - loaded	54.1
H-127	Front bumper height	12.7
Hc-1	Rear bumper height	10.3
H-115	Step height - front loaded	12.9
Hc-2	Tailgate to ground - open loaded	15.1

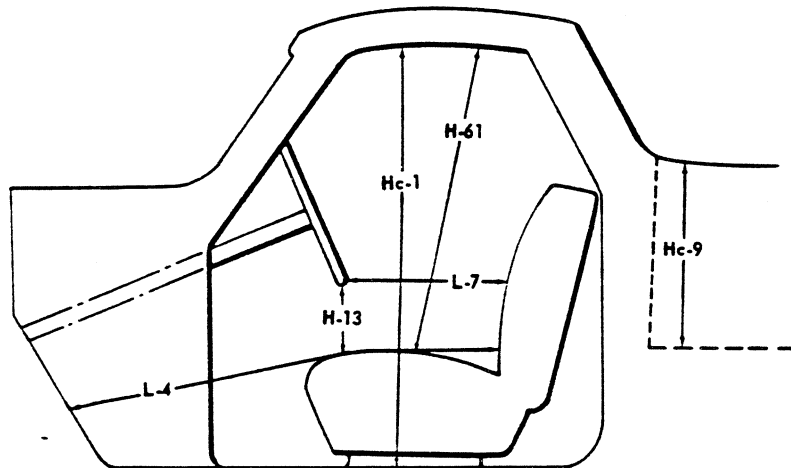
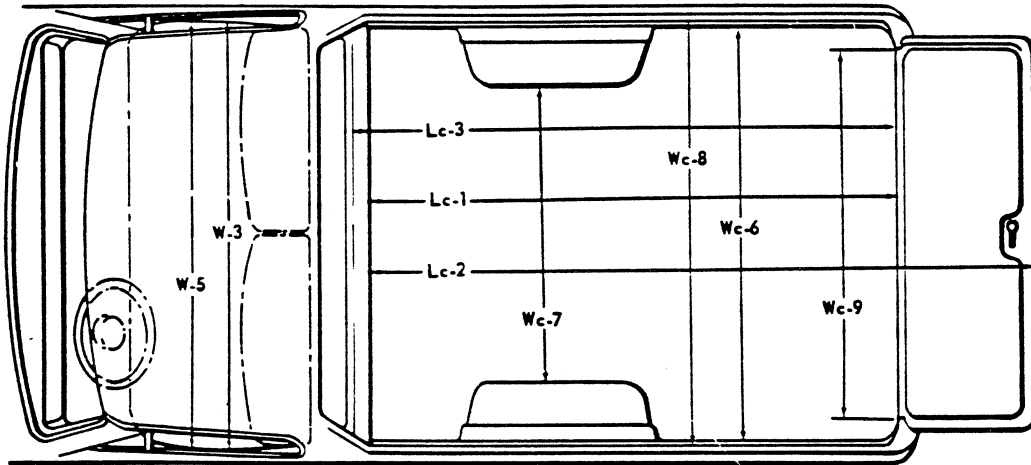
WIDTHS

W-101	Front tread	58.0
W-102	Rear tread	58.0
Wc-2	Overall width	73.2
Wc-1	Tailgate width	59.8

GROUND CLEARANCES

Hc-5	Angle of approach	30°
Hc-6	Angle of departure	12° 42'
Hc-3	Minimum ground clearance	6.1
Hc-4	Rocker panel to ground - front	8.8

INTERIOR DIMENSIONS



LENGTHS

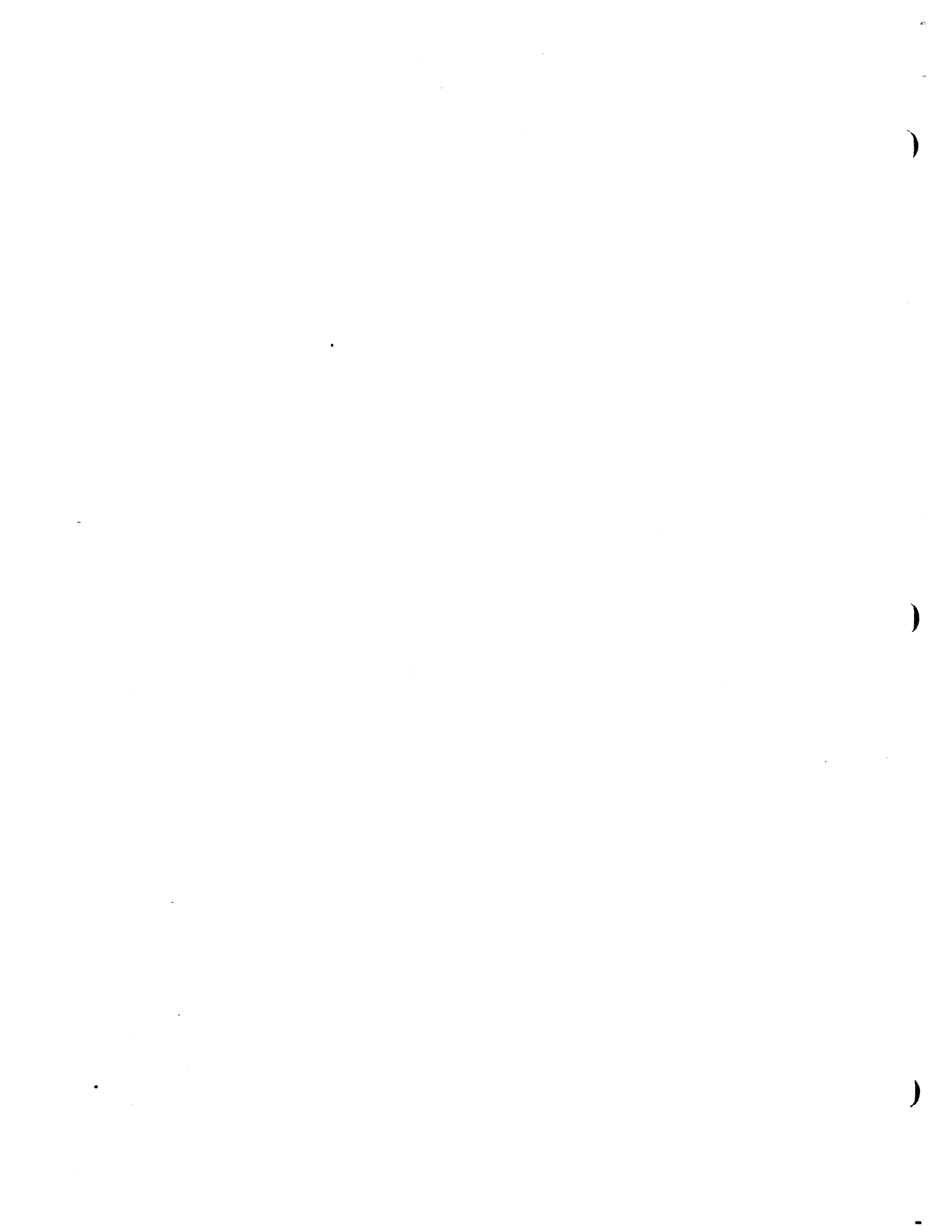
L-4	Maximum effective leg room - front	41.8
L-18	Entrance - foot clearance	14.9
L-7	Steering wheel torso clearance	11.2
Lc-1	Box length at floor - tailgate closed	78.5
Lc-2	Box length at floor - tailgate open	101.5
Lc-3	Box length at belt	73.5

HEIGHTS

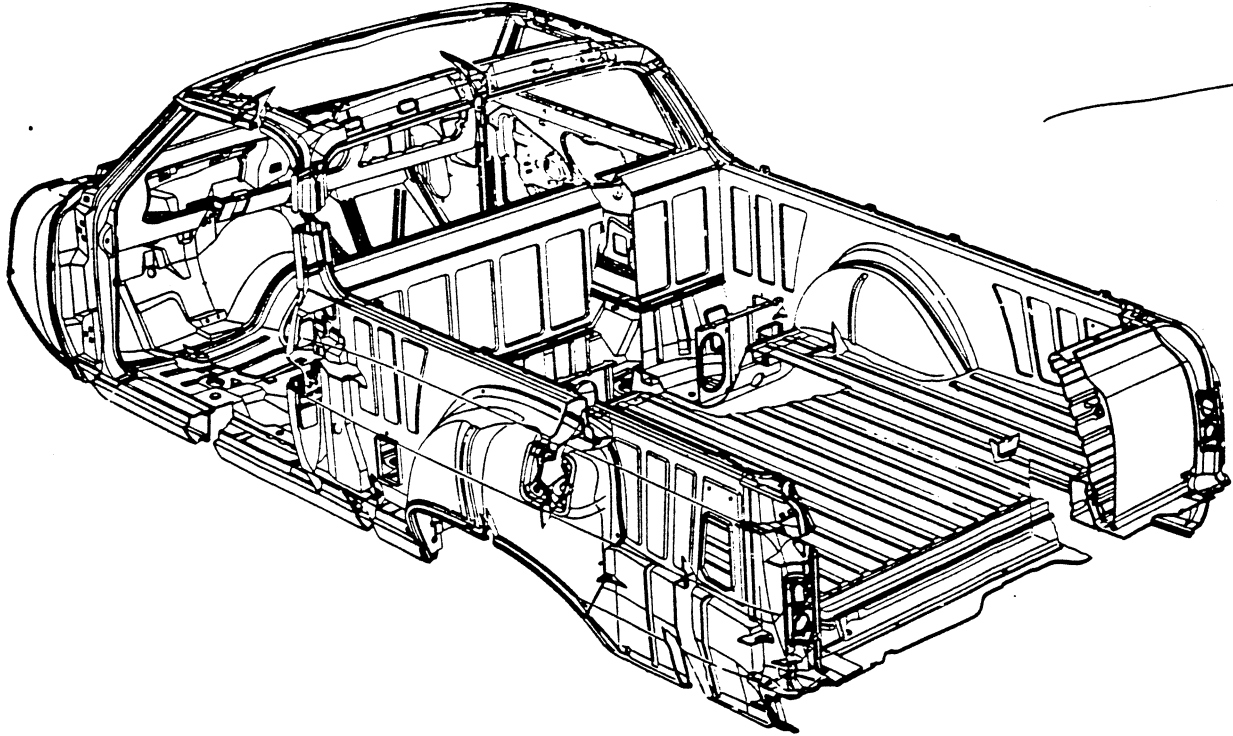
H-61	Effective headroom	38.7	
Hc-1	Front door height	29.9	
H-13	Steering wheel thigh clearance	4.2	
Hc-9	Box height	Front	15.3
		Rear	14.8
Hc-10	Top of tailgate to ground	21.6	
Hc-11	Wheelhouse height	9.5	
Hc-12	Platform height	Design	21.7
		Curb	22.2

WIDTHS

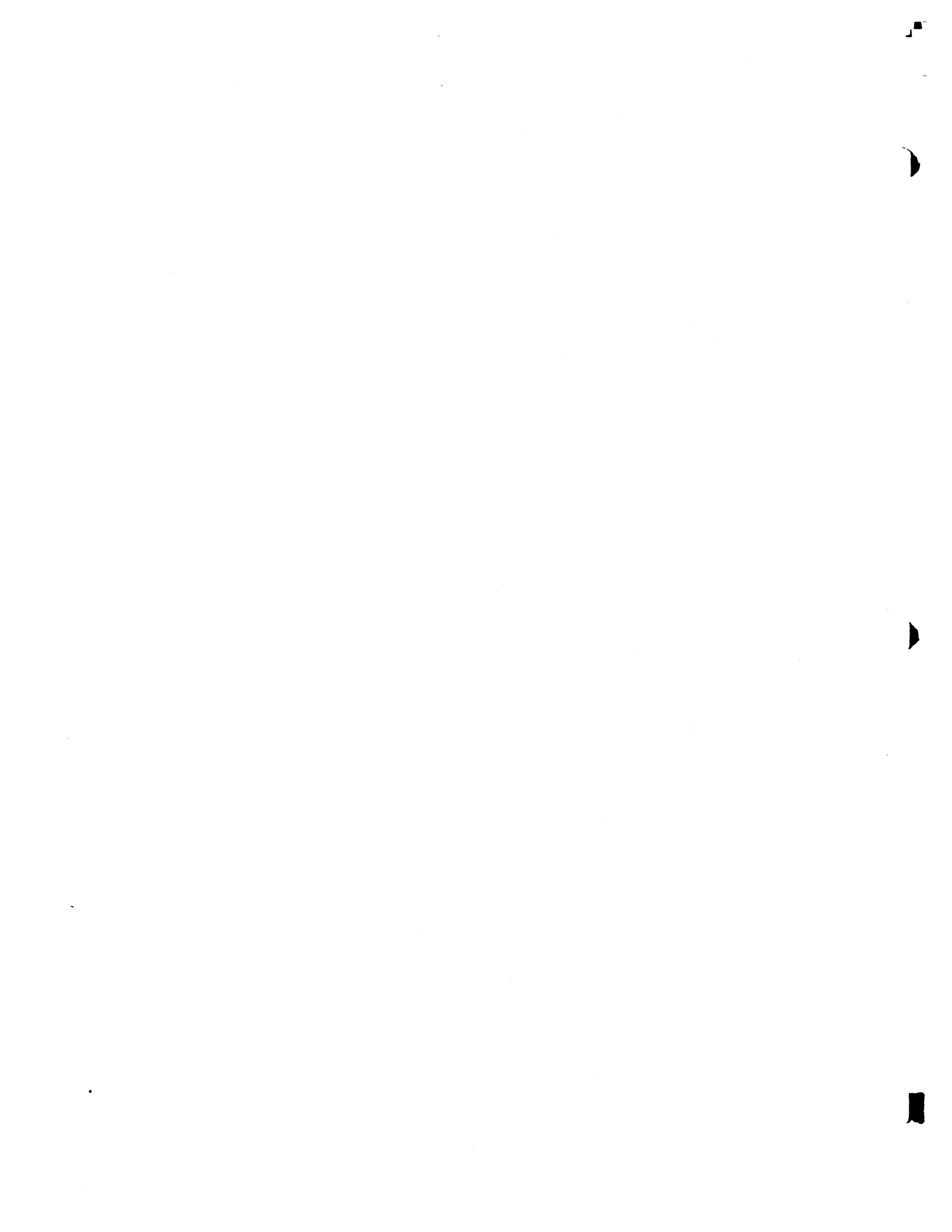
W-3	Shoulder room	58.8	
W-5	Hip room	59.9	
Wc-7	Rear load floor width (between wheelhouses)	46.0	
Wc-6	Box width at floor	Front	59.8
		Rear	64.8
Wc-8	Box width at belt	Front	59.5
		Rear	58.5
Wc-9	Tailgate opening at floor	55.5	



BODY



COLOR COMBINATIONS	3
EXTERIOR ORNAMENTATION AND EQUIPMENT	4
INTERIOR ORNAMENTATION AND EQUIPMENT	5
MISCELLANEOUS EQUIPMENT	6
GLASS	6
INSTRUMENTS AND CONTROLS	7
ELECTRICAL	8



COLOR COMBINATIONS

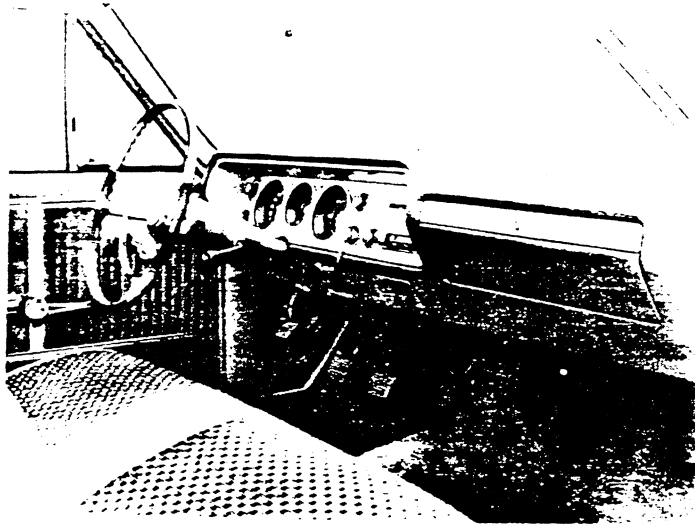
RPO	EXTERIOR		INTERIOR		
	COLOR	SALES NAME	FAWN	AQUA	RED
900	Black	Tuxedo Black	X	X	X
905	Medium Green	Meadow Green	X		
908	Dark Green	Bahama Green	X		
912	Medium Blue	Silver Blue	X		
916	Dark Blue	Daytona Blue	X		
918	Medium Aqua	Azure Aqua		X	
919	Dark Aqua	Lagoon Aqua		X	
920	Medium Fawn	Almond Fawn	X		X
922	Medium Red	Ember Red	X		X
932	Light Saddle	Saddle Tan	X		
936	White	Ermine White	X	X	X
938	Beige	Desert Beige	X		X
940	Silver	Satin Silver		X	X
948	Maroon	Palomar Red	X		X

SERIES	MATERIAL	RPO NUMBER		
		FAWN	AQUA	RED
53-5400	Vinyl (Standard)	761	754	777
55-5600	Cloth (Standard)	763	750	772
55-5600	Vinyl Bucket Seats (RPO)	717	724	726

REGULAR PRODUCTION EQUIPMENT

Exterior Ornamentation and Equipment

APPLICATION	53-5400 SERIES	55-5600 SERIES
Radiator Grille with Dual Headlamps	X	X
Radiator Grille Opening Moldings	X	X
Chevrolet Hood Lettering	X	X
Hood Windsplit Molding		X
Windshield Reveal Moldings	X	X
Front Bumper with Integral Parking Lights	X	X
Roof Drip Gutter Molding		X
Ventipane Frame and Post	X	X
Body Sill Molding	X	X
Front Wheel Opening Molding		X
Rear Wheel Opening Molding		X
Rear Quarter Panel Lower Molding		X
Hub Caps	X	X
RPO Wheel Disks	X	X
Pickup Box Top Edge & Roof Molding	X	X
El Camino Rear Quarter Nameplate	X	X
V-8 Engine Front Fender Emblem	X	X
Tailgate Emblem	X	X
Chevrolet Tailgate Lettering	X	X
Rear Bumper	X	X
Tail Light Bezels	X	X
Tailgate Top Molding	X	X
Rear Window Reveal Moldings	X	X
Back-Up Lamp Dummy Lens (White Plastic)	X	X
Door Upper Frame Scalp Moldings		X
Windshield Pillar Scalp Molding		X
Separate Key Locks, Both Doors	X	X
Front Fender Series Nameplate	X	X



Interior Ornamentation and Equipment

APPLICATION	53-5400 SERIES	55-5600 SERIES
Embossed Vinyl Seat Trim	X	
Pattern Cloth and Vinyl Seat Trim		X
RPO Vinyl Bucket Seats		X
Rubber Floor Mat	X	
Carpeting		X
Left and Right Hand Armrests	X	X
Left and Right Hand Sunshades	X	X
Vinyl Headlining	X	X
Horn Ring Type Steering Wheel	X	X
Dome Lamp	X	X
Door Jamb Switches for Dome Lamp	X	X
Rear View Mirror	X	X
Bright Seat End Moldings		X
Steel Pickup Box Load Floor	X	X
El Camino Nameplate for Glove Box	X	X
Electric Clock		X
Cigarette Lighter	X	X
Glove Box Light		X
Glove Box Lock	X	X
Instrument Panel Trim Plate	X	X
Generator Charging & Oil Pressure Tell-Tales	X	X

EQUIPMENT-GENERAL

Bumpers

Type	Pressed steel
Thickness	0.081-0.097
Overall Height	9.06
Overall Width	74.96
Finish	Chrome-plated

Windshield Wipers

Type	Single speed*
Linkage	Parallel acting
Wiper Blades	15 inch - natural rubber
Blade Travel	110° 30' RH; 98° LH
Park Position	1.5 inches above D.L.O.

Horn

Make	Delco
Type	Vibrator
Number	Two

Tools

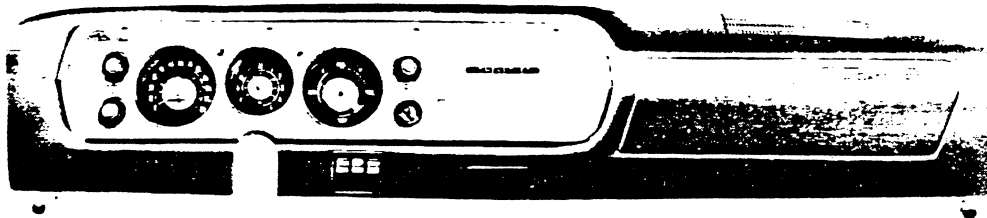
Type	Ratchet-bumper
Capacity	1800 lbs
Raised Height	31.28
Lowered Height	4.56
Wheel Nut Wrench Jack Handle	Combined single unit

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

Glass

LOCATION		TYPE	AREA (SQ.IN.)
Windshield		Laminated Safety Plate	1107.1
Front Door	Ventipanes	Safety Solid Plate	114.0
	Windows	Safety Solid Plate	725.2
Back Window		Safety Solid Plate	665.2
Total Visibility		---	2611.5

INSTRUMENTS AND CONTROLS



ELECTRICAL

PARKING LIGHTS

Location	On each end of the front bumper
Bulb Type	Dual filament, parking & turn signal

TAIL AND STOP LAMPS

Make	Guide lamp
Type	Combination tail, stop and directional signal unit

REAR LICENSE LIGHTS

Type	Dual
Location	On the rear bumper at each side of license carrier

INSTRUMENT PANEL LIGHTING

Fuel Gauge	White light
Speedometer Dial	White light
High Beam Indicator	Red (when lighted)
Oil Pressure Indicator	Tell-Tale (visible at low pressure)
Generator	Tell-Tale (visible at low generator charge)
Temperature Gauge	Tell-Tale (visible when excessive)
Main Switch	Three-position pull type, with integral dome lamp switch & rheostat to control instrument panel brightness

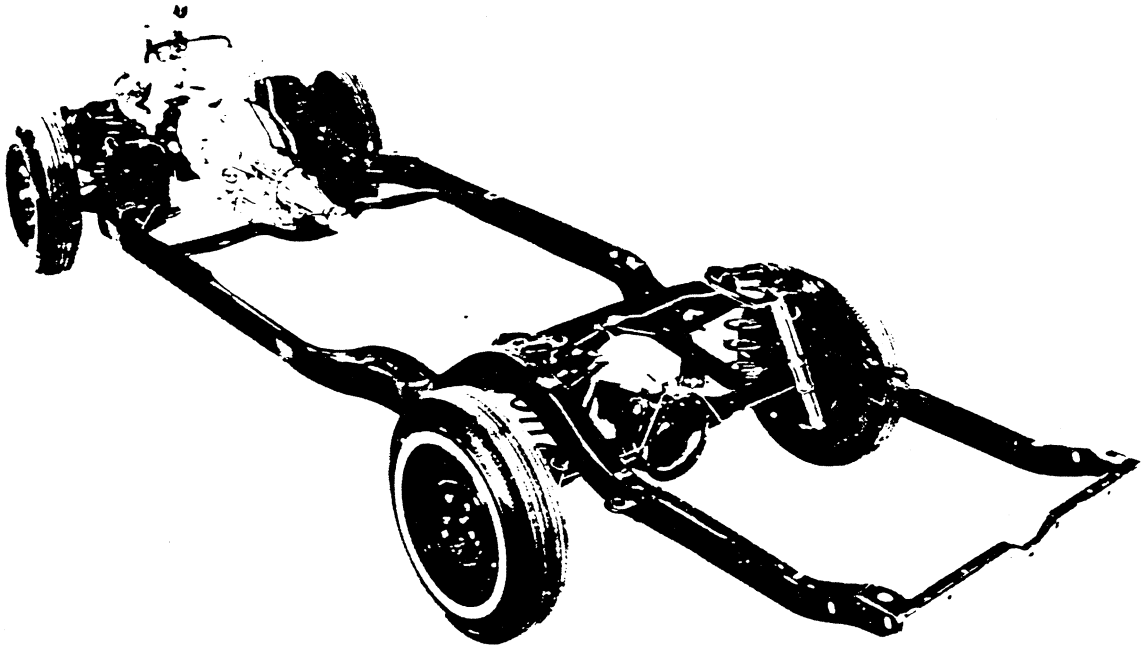
DOME LIGHT

Location	Above rear window
Control	By actuating switch when door is opened or by rotating main light switch

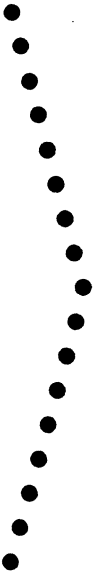
DIRECTION SIGNAL

Make	Guide lamp
Type	Flasher, front and rear, integral with parking and tail lamps
Turn Indicators	Green lighted arrows located centrally on the instrument panel between speedometer and gauge dials

CHASSIS



FRAME	3
FRONT SUSPENSION	4
FRONT STABILIZER	5
FRONT SPRINGS	5
REAR AXLE	6
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STEERING LINKAGE	13
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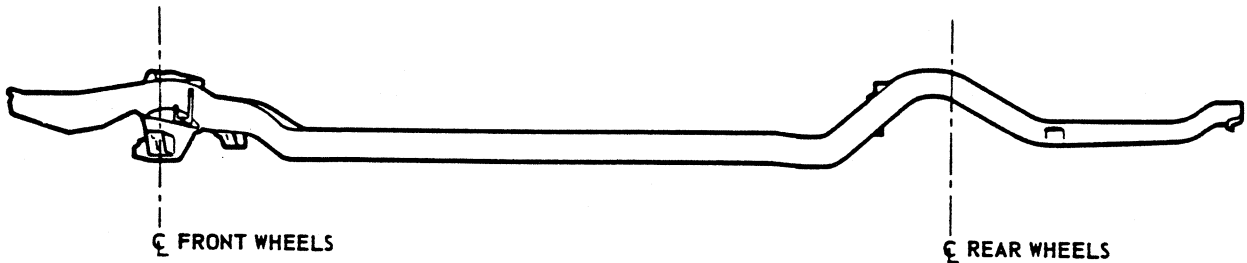
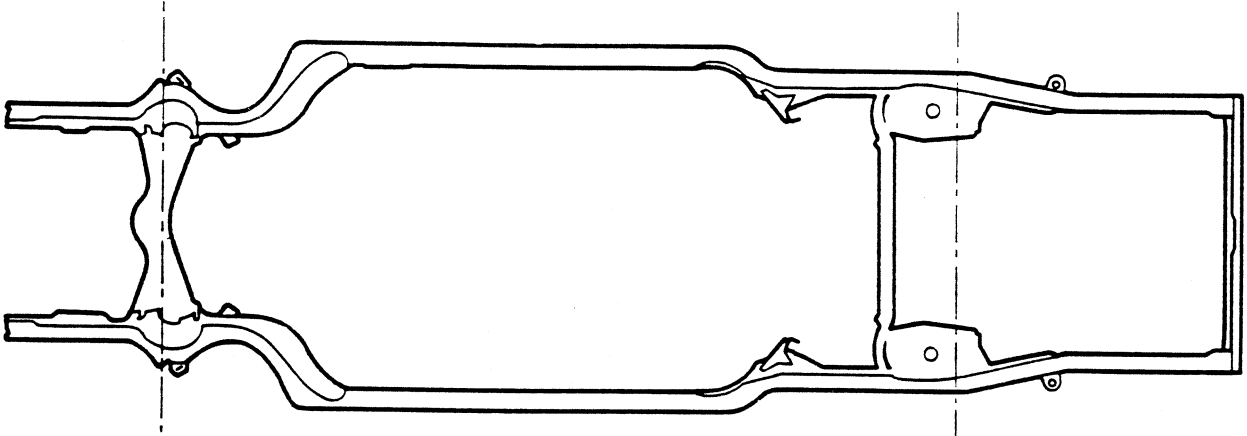


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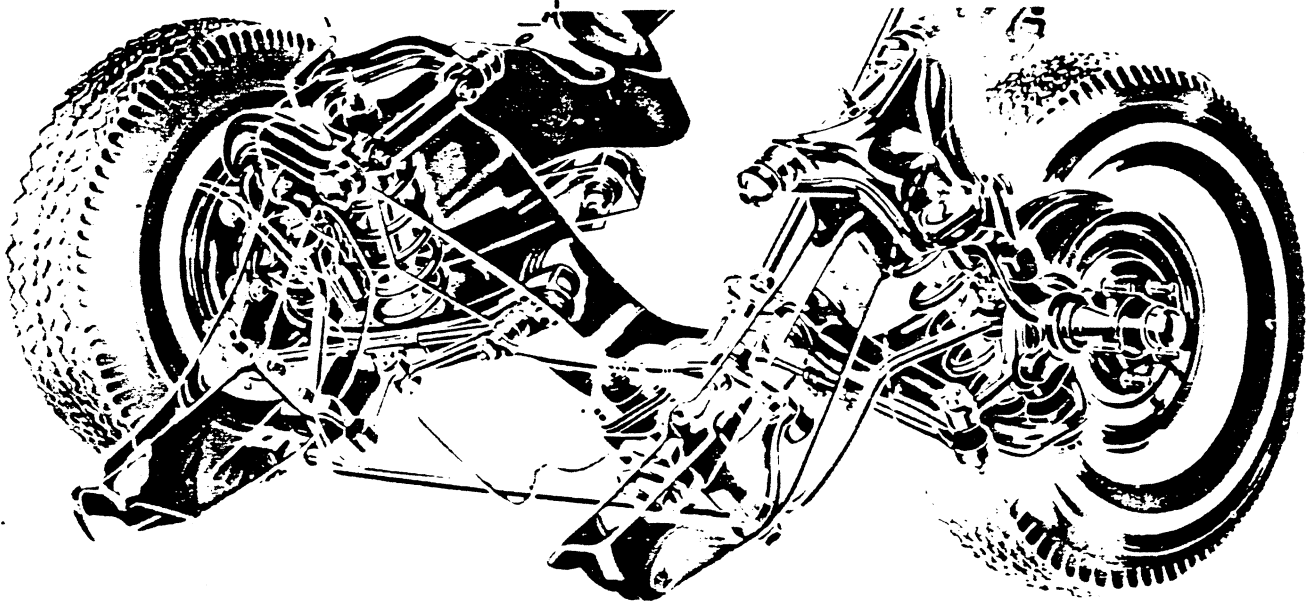
FRAME



Depth		4.18
Width	@ 40 inch line	6.00
Thickness @ 40 inch line	Inner	.081-.097
	Outer	.109-.129
Section Modulus (Rail Only)	@ 40 inch line	1.806 inch ³
Width over Rails	Front	35.6
	Rear	42.71
Rail Overall Length		145.35
Number of Crossmembers		3

FRONT SUSPENSION

RATED CAPACITY	1900 LBS.
Make	Chevrolet
Type	Independent, incorporating anti-dive geometry, Coil springs and spherically jointed steering knuckles
Control Arm Material	Steel
Upper Control Arm Bushing	Rubber with inner & outer steel sleeves Press fit L.D. .627-.670; C.D. 1.740-1.760
Upper Control Arm Pivot Shaft	Forged steel .600 11.300
Lower Control Arm Front Bushing	Rubber with inner & outer steel sleeves Press fit L.D. .506-.521; C.D. 1.645-1.650
Lower Control Arm Rear Bushing	Rubber with inner & outer steel sleeves Press fit L.D. .506-.521; C.D. 1.895-1.900
Lower Control Arm Bumper	GM 1372M, Rubber 1.60
Spherical Joints	Ball stud and socket One each upper & lower Cold upset steel
	Ball Stud Material
	Ball Stud Upper Diameter
	Ball Stud Lower Diameter
	Ball Stud Seal Material
Steering Knuckles	Rubber
	Socket Lubrication
	Material
	SAE 1046 forged steel
Steering Knuckles	Spindle @ Inner Brg. Diameter
	Spindle @ Outer Brg. Diameter
	Spindle Thread



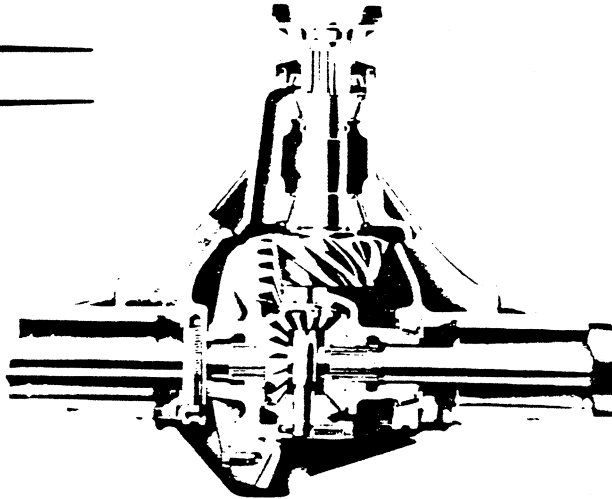
Stabilizer

Type	Link
Material	Steel
Bar Diameter	.812

Springs

RATED CAPACITY (EACH SPRING)	SPRUNG GROUND	840 950	840 950	840 950	840 950	840 950
APPLICATION		53-5580	54-5680	RPO (F40) 53-5580	RPO (F40) 54-5680	RPO (F40) 53-54-55-5680
Make		Chevrolet				
Type		Coil				
Material		High Alloy Steel				
Number of Coils	Active	7.67	8.67	7.67	8.67	7.67
	Total	9.004	10.004	9.004	10.004	9.004
Wire Diameter		.598	.619	.615	.637	.615
Outer Diameter		4.90	4.90	4.90	4.90	4.90
Theoretical Pitch Diameter		4.228	4.249	4.245	4.267	4.245
Free Overall Height		17.23	17.67	16.92	17.56	17.23
Height	Normal Load	10.51	10.51	10.51	10.51	10.51
	Maximum Load	8.00	8.00	8.00	8.00	8.00
Deflection Rate @ Spring		290	290	320	320	320
Tensile Strength		190,000 lbs. per sq. in.				

REAR SUSPENSION



Rear Axle

APPLICATION	53-5580 RPO (G76) 54-5680	54-5680	53-54-55-5680 WITH OVERDRIVE
Rated Axle Capacity (lbs)	2700		
Ratio	3.36:1 * §	3.08:1 *	3.70:1 *
Make	Chevrolet		
Type	Salisbury		
Brake Size	9-1/2 x 2		
Wheel Mounting	5 Bolt		
Type	7/16		
Bolt Size	4.75 Dia.		
Housing	Carrier and Tube		
Type	Three Piece		
Construction	3.0 x .22		
Tube Section OD & Wall	Hypoid		
Ring and Pinion Gears	Hypoid		
Type	Hypoid		
Number of Teeth	11	12	10
Drive Driven	37	37	37
Ring Gear Pitch Dia.	8.125		8.375
Gear Backlash	.005-.008		
Drive Pinion	Overhung		
Mounting Adjustment	Shim		
Thrust	Against Rear Pinion Bearing		
Differential Type	Two Pinion		
Type	Integral Shaft and Drive Flange		
Axle Material	Hot Rolled Carbon Steel		
Shaft Hub Attachment	Bolted		
Minimum Diameter	1.06		
Lubricant Capacity (pints)	3.5		4

* - Available with Positraction limited slip differential.

§ - Not available with 4-speed transmission.

General

Type and Description Drive Taken Through Torque Taken Through	4-Link System; Two upper and Two lower control arms Lower control arms Upper control arms
---	--

Springs

RATED CAPACITY (EACH SPRING)	SPRUNG GROUND	950 1100	1310 2700
APPLICATION		BASE	RPO (F40)
Type		Coil	
Make		Chevrolet	
Material		High Alloy Steel	
Number of Coils	Total	6.337	6.801
	Active	5.210	5.671
Wire Diameter		.575	.623
Outside Diameter		6.78	6.78
Height	Normal	7.18	7.18
	Maximum	3.82	3.82
Deflection Rate		130	160
Theoretical Pitch Diameter		6.075	6.123
Free Overall Height		16.130	16.480
Tensile Strength		190,000 lbs. per sq. in.	

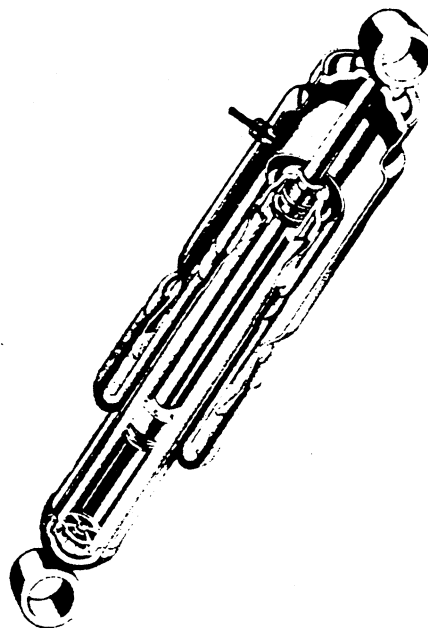
SHOCK ABSORBER DATA

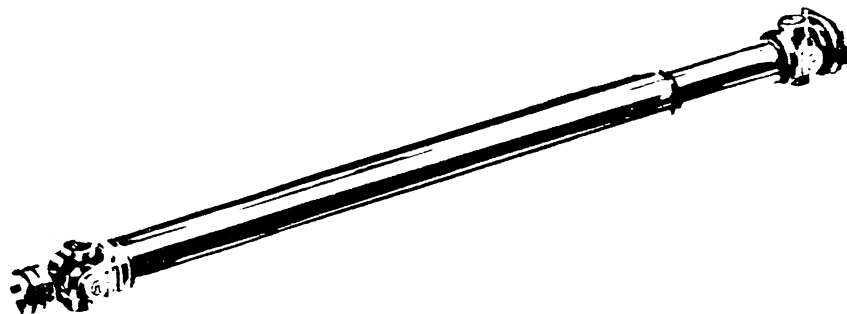
Front

Make	Delco
Type	Hydraulic, direct double acting
Mounting Location	Mounted vertically within coil spring
Piston Diameter	1 inch
Piston Travel	5.90

Rear

Make	Delco
Type	Hydraulic, direct double acting air booster type
Mounting Location	Mounted diagonally behind coil spring
Piston Diameter	1 inch
Piston Travel	8.50





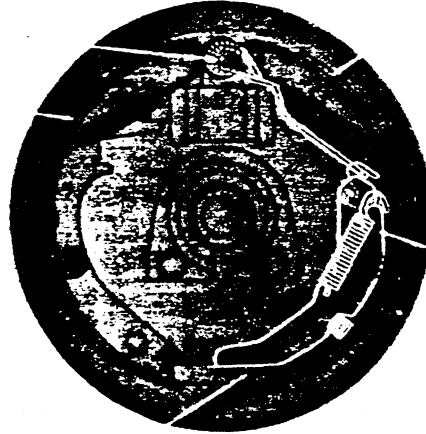
Propeller Shaft

Type	Tubular, exposed
Diameter	3.25
Length	60.137
Wall Thickness	.065

Universal Joints

Make	Chevrolet
Type	Cross
Bearings	Anti-friction
Type Lubrication	Prepacked

BRAKES



BRAKE SIZE		FRONT	9-1/2 X 2-1/2	
		REAR	9-1/2 X 2	
APPLICATION			STANDARD	RPO - METALLIC
Brake System Type			Hydraulic-self adjusting	
Type			Duo-Servo	
Type			Composite; Cast alloy iron rim, pressed steel web	
D R U M	Diameter	Front	9.5	
		Rear	9.5	
	Effective Area (Sq. In.)	Front	127.0	
		Rear	101.6	
		Total	228.6	
Material Attachment			Molded asbestos Bonded	Sintered iron Welded
L I N I N G	Width	Front	2.50	
		Rear	2.00	
	Thickness	Front Shoe	.17	.175
		Rear Shoe	.20	.295
G	Area (Sq. In.)	Front	93.6	65.60
		Rear	74.1	52.48
		Total	168.3	118.08
Brake Effort Distribution		Front	59.5%	
		Rear	40.5%	
Wheel	Number Used	Front	2	
		Rear	2	
Cylinder	Diameter	Front	1.175	
		Rear	.938	
Main Cylinder	Type		Single reservoir	
	Diameter		1.00	.875
	Piston Travel	Available	1.5	
		Used	1.09	

RPO Brake Booster

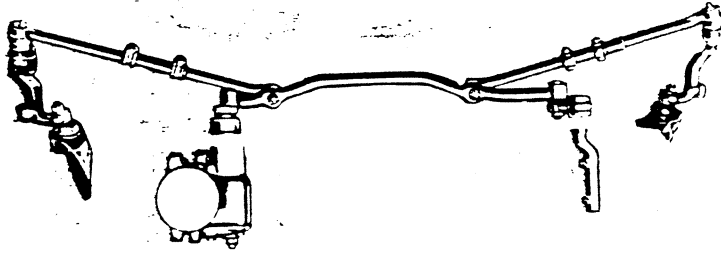
Type	Single piston
Make	Bendix
Nominal Diameter	8.0
Vacuum Cylinder Stroke	1.50
Displacement (Cu. In.)	1.00

Parking Brake

Type	Mechanical, pulley-cable linkage secures rear service brakes
Control Location	Foot pedal applied, handle release Below instrument panel, left of steering column

STEERING

Steering System Type		Manual
Make and Type		Saginaw steering gear, recirculating ball
Ratio	Gear	24.0:1
	Overall	26.2:1
Mounting		Attached to front suspension crossmember
Steering Shaft Type		Single - one piece
Steering Shaft Flexible Coupling		Rag coupling
Pitman Shaft Bushing		Nylon
Pitman Shaft	Location	Straddle mounted on frame
	Diameter	1.1215
Linkage Type		Parallel relay
Steering Wheel	Type	Two spoke
	Diameter	16.5
Anti-Friction Bearings		Tapered roller



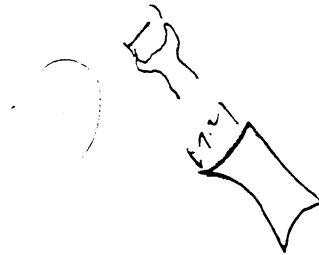
Steering Linkage

Type	Parallel relay
Number of Tie Rods	Two
Tie Rod Type	Adjustable dual equal length
Idler Arm Mounting	On front crossmember
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	20.3 feet
Wall to Wall Clearance	21.7 feet

TIRES AND WHEELS



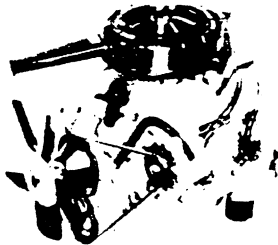
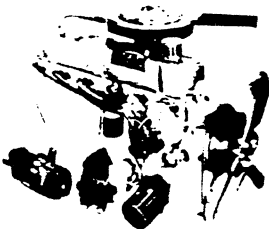
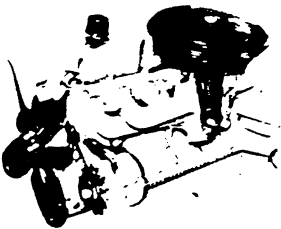
Tires

Size	7.00-14-4PR (2 ply construction)
Type	Rayon tubeless, blackwall
Maximum Rated Capacity	975 lbs.
Maximum Inflation Pressure	30 lbs.
Unloaded Outside Diameter	26.3 inches
Section Width	7.2 inches
Loaded Radius	12.2 inches
Revolutions per Mile (Loaded)	810

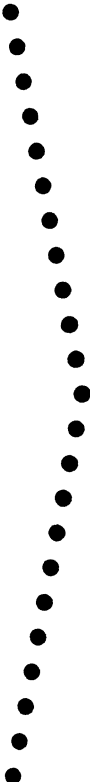
Wheels

Type	Short spoke disk
Size	14 x 5.0
Offset	.56
Attachment	Five
Number of Studs	7/16
Stud Diameter	4.75
Circle Diameter	

POWER TRAINS



POWER TRAIN COMBINATIONS	2
MULTIPLICATION FACTORS	
MANUAL TRANSMISSIONS	2
AUTOMATIC TRANSMISSIONS	2
ENGINE SPEED	3
SIX CYLINDER ENGINES	
HIGH-THRIFT 194	4
TURBO-THRIFT 230	5
EIGHT CYLINDER ENGINES	
TURBO-FIRE 283 STANDARD	15
(RPO L77)	15
TURBO-FIRE 327 (RPO L30)	26
(RPO L74)	27
(RPO L76)	28
CLUTCHES	38
TRANSMISSIONS	40



POWER TRAIN COMBINATIONS

MODEL	ENGINE	CLUTCH	AXLE	TRANSMISSION	AVAILABILITY	
5380 5580	High Thrift 194 cu. in. L-6	9-1/8 Inch	3.36:1	3-Speed Synchromesh	Standard	
			3.36:1	Powerglide	Optional	
			3.70:1	Overdrive	Optional	
	Turbo-Thrift 230 cu. in. L-6 RPO (L61)	9-1/8 Inch	3.36:1	3-Speed Synchromesh	Standard	
			3.36:1	Powerglide	Optional	
			3.70:1	Overdrive	Optional	
5480 5680	Turbo-Fire 283 cu. in. V-8	10 Inch	3.08:1	3-Speed Synchromesh	Standard	
			3.36:1	3-Speed Synchromesh	Optional	
		10-13/32 Inch	3.08:1	4-Speed Synchromesh	Optional	
		10 Inch	10 Inch	3.08:1	Powerglide	Optional
				3.70:1	Overdrive	Optional
	Turbo-Fire 283 cu. in. V-8 RPO (L77)	10 Inch	10-13/32 Inch	3.08:1	3-Speed Synchromesh	Standard
				3.36:1	3-Speed Synchromesh	Optional
				3.08:1	4-Speed Synchromesh	Optional
		10 Inch	10 Inch	3.08:1	Powerglide	Optional
				3.70:1	Overdrive	Optional
	Turbo-Fire 327 cu. in. V-8 RPO (L30)	10-13/32 Inch	10-13/32 Inch	3.36:1	3-Speed Synchromesh	Optional
				3.36:1	4-Speed Synchromesh	Optional
			3.08:1	Powerglide	Optional	
Turbo-Fire 327 cu. in. V-8 RPO (L74)	10-13/32 Inch	10-13/32 Inch	3.36:1	4-Speed Synchromesh	Optional	
			3.36:1	Powerglide	Optional	
Turbo-Fire 327 cu. in. V-8 RPO (L76)	10 Inch	10 Inch	3.36:1	4-Speed Synchromesh	Optional	

Multiplication Factors - Manual Transmissions

TRANSMISSION	ENGINE	AXLE	TOTAL GEAR REDUCTION *				
			1ST	2ND	3RD	4TH	REVERSE
3-Speed	L-6	3.36:1	9.88	5.64	3.36	--	9.88
3-Speed	V-8	3.08:1	7.95	4.56	3.08	--	7.95
3-Speed	V-8	3.36:1	8.67	4.97	3.36	--	8.67
3-Speed Overdrive	L-6	3.70:1	7.62	4.37	2.59	--	7.62
3-Speed Overdrive	V-8	3.70:1	6.70	3.85	2.59	--	6.70
4-Speed	V-8	3.08:1	7.88	5.88	4.56	3.08	8.13
4-Speed	V-8	3.36:1	8.60	6.42	4.97	3.36	8.87

Multiplication Factors - Automatic Transmissions

TRANSMISSION	ENGINE	AXLE	TOTAL GEAR REDUCTION *	
			DRIVE	LOW AND REVERSE
2-Speed Automatic	194	3.36:1	8.06 - 3.36	14.68 - 5.12
2-Speed Automatic	230 & 283	3.36:1	7.06 - 3.36	12.84 - 6.12
2-Speed Automatic	283	3.08:1	6.47 - 3.08	11.77 - 5.61

* - Axle ratio x transmission ratio

ENGINE SPEED

TRANSMISSION	ENGINE	AXLE RATIO	TIRE SIZE	ENGINE RPM AT 1 MPH			
				FIRST	SECOND	THIRD	FOURTH
3-Speed Synchromesh	194 & 230	3.36:1	7.00-14	133	76	45	
	283	3.08:1	7.00-14	107	148	42	
	283	3.36:1	7.00-14	117	67	45	
3-Speed Overdrive	194 & 230	3.36:1	7.00-14	93	54	32	
	283	3.08:1	7.00-14	75	43	29	
	283	3.36:1	7.00-14	82	47	32	
4-Speed Synchromesh	283	3.08:1	7.00-14	106	79	62	42
	283	3.36:1	7.00-14	116	87	67	45
Powerglide	194 230 & 283 283	3.36:1	7.00-14				
		3.36:1	7.00-14				
		3.08:1	7.00-14				
		3.08:1	7.00-14				
				LOW RANGE MAXIMUM CONVERTER RATIO	LOW RANGE 1:1 CONVERTER RATIO	DRIVE RANGE MAXIMUM CONVERTER RATIO	DRIVE RANGE 1:1 CONVERTER RATIO
				198	83	109	45
				173	83	95	45
				159	76	87	42

194-230 CUBIC INCH 6-CYLINDER ENGINES

HIGH THRIFT 194

BASIC SPECIFICATIONS

Engine Type ----- Valve-In-Head
 Piston Displacement ----- 194 Cu.In.
 Bore and Stroke (nominal) ----- 3-9/16 x 3-1/4
 Compression Ratio ----- 8.5:1
 Taxable Horsepower (SAE) ----- 30.5
 Carburetor Type ----- 1-Barrel
 Idling Speed: RPM's
 Manual Transmission in Neutral ----- 450-500
 Automatic Transmission in Drive ----- 450-500
 Compression Pressure (engine hot) ----- 140
 Dry Weights:
 Engine and Clutch ----- 492
 With Transmission ----- 558

ENGINE IDENTIFICATION

Engine Color ----- Orange
 Decalcomania Location ----- R.H. Side of Rocker Cover

TEST PROCEDURES

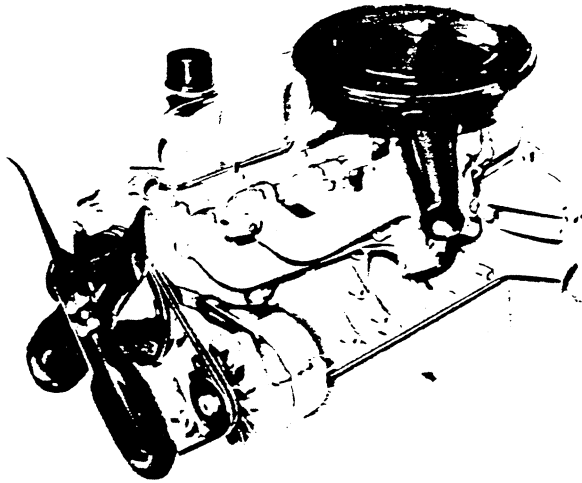
These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92 mercury and 60°F dry air.

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.

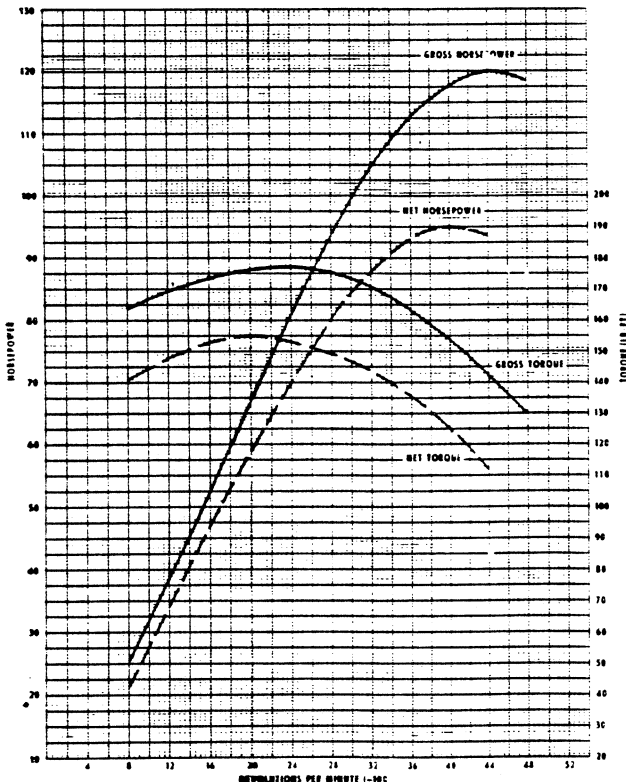
AVAILABILITY

STANDARD	RPO
53-5580	---



HIGH THRIFT 194

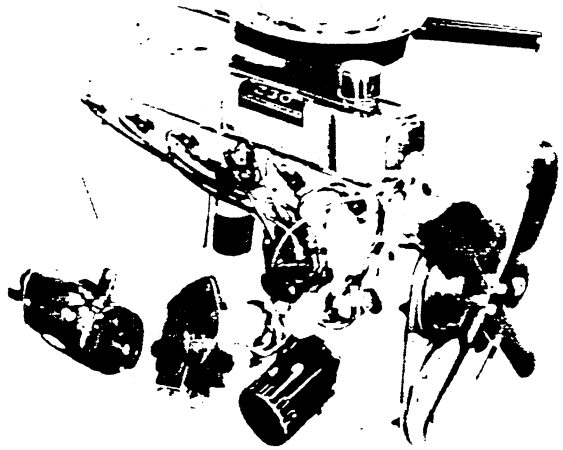
Gross Horsepower ----- 120 at 4400 RPM
 Net Horsepower ----- 95 at 4000 RPM
 Gross Torque, ft. lbs. ----- 177 at 2400 RPM
 Net Torque, ft. lbs. ----- 155 at 2000 RPM



TURBO-THRIFT 230

BASIC SPECIFICATIONS

Engine Type Valve-In-Head
 Piston Displacement 230 Cu.In.
 Bore and Stroke (nominal) 3-7/8 x 3-1/4
 Compression Ratio 8.5:1
 Taxable Horsepower (SAE) 36
 Carburetor Type 1-Barrel
 Idling Speed: RPM's
 Manual Transmission in Neutral 450-500
 Automatic Transmission in Drive 450-500
 Compression Pressure (engine hot) 140
 Dry Weights:
 Engine and Clutch 505
 With Transmission 566



ENGINE IDENTIFICATION

Engine Color Orange
 Decalcomania Location R.H. Side of Rocker Cover

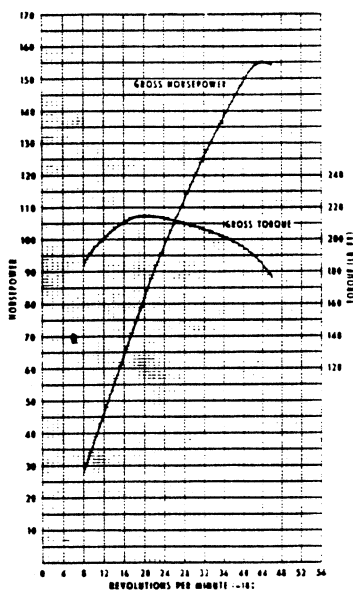
TEST PROCEDURES

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, Delcatron 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.

Gross Horsepower 155 at 4400 RPM
 Gross Torque, ft.lbs. 215 at 2000 RPM



AVAILABILITY

STANDARD	RPO
---	L-61

**194-230 CUBIC INCH
6-CYLINDER ENGINES-Cont'd.**

		HI-THRIFT 194	TURBO-THRIFT 230
CYLINDER BLOCK			
Material		Cast alloy iron	
Bore		3.563	3.875
CYLINDER HEAD			
Material		Cast alloy iron	
Type		Valve-in-head	
Cylinder head bolt torque		90-95 foot pounds	
Number of cylinder head bolts		14	
CRANKSHAFT			
Material		Cast nodular iron	
Number of counterweights		4	
Weight		52.75	
End play		.002-.006	
Stroke		3.250	
Main bearing journal diameter		2.2983-2.2993	
Pulley diameter		6.64	
Crankpin journal	Width	1.038-1.042	
	Diameter	1.999-2.000	
Harmonic balancer		Rubber mounted inertia	
	Type	Precision removable	
	Material	Steel backed babbitt or copper lead alloy	
	End thrust against	#7	
	Bearing clearance	.0003-.0029	
Main Bearings	Effective #1-6	.752	
	Length #7	.760	
	Theo. L.D. #1-7	2.3004	
	Projected #1-6	1.7299	
	area* #7	1.7483	
CAMSHAFT			
Material		Cast alloy iron	
End play		.003-.007	
Thrust		Between timing gear & journal front face	
Timing Gears	Type	Gear	
	Material	Steel	
	Drive Driven	Bakelite and fabric composition with steel hub	
Bearings	Material	Extra-life steel backed babbitt	
	Clearance on diameter	.0003-.0029	
	Ream diameter	1.8712	
	Length	.860	
	Projected area ‡	1.6092	

* - Based on theoretical L.D. and effective length.
‡ - Based on ream diameter and overall length.

	HI-THRIFT 194	TURBO-THRIFT 230
PISTONS		
Material	Cast aluminum alloy	
Skirt and head	Flat head, slipper skirt	Flat, notched head slipper skirt
Skirt clearance	.0005-.0011	
Top land clearance	.033-.044	.035-.044
Top ring groove insert	None	
Compression ring groove depth	.1960-.2025	.2153-.2218
Oil ring groove depth	.1985-.2050	.2093-.2158
Weight ounces	17.60	20.40
PISTON PINS		
Material	Chromium steel	
Type	Locked in rod	
Diameter	.9270-.9273	
Length	2.990-3.010	
Taper limit in full length	.0001	
Clearance in piston	.00015-.00025	
Surface finish	14 Micro inches	
CONNECTING RODS		
Material	Drop forged steel	
Rod width at piston	1.007-1.011	
Rod width at crankpin	0.944-0.945	
End play	.008-.014	
Rod length centerline to centerline	5.699-5.701	
CRANKPIN BEARINGS		
Type	Precision, removable	
Material	Steel backed babbitt or copper lead alloy	
Bearing	Diameter	2.155
Dimensions	Effective length	.837
	Projected area	1.804
COMPRESSION RINGS		
Number per piston	Two	
Type	Inside bevel	
Material	Cast alloy iron	
Coating	Upper	Flash chrome plated O.D.
	Lower	Wear resistant coated O.D.
Width	Upper	.0775-.0780
	Lower	.0770-.0780
Gap	.010-.020	
Diameter	3.875	
Wall thickness	Upper	.184-.194
	Lower	.184-.194
Ring groove clearance	.0022	

194-230 CUBIC INCH 6-CYLINDER ENGINES—Cont'd.

		HI-THRIFT 194	TURBO-THRIFT 230
OIL CONTROL RINGS			
Number per piston		One	
Type		Multi-piece, two rails and one spacer	
Material	Rails	Stainless steel, chrome plated O.D.	
	Spacer	Steel	
Width	Rails	.028	
	Spacer	.177-.182	
Rail gap		.015-.055	
Diameter	Rails	3.875	
	Spacer (free)	3.892-3.918	
Rail wall thickness		.150-.156	
Total oil ring width		.1840-.1880	
Ring groove clearance		.0022	
VALVE TRAIN			
Valve	Type	Individually mounted overhead rocker arms	
Operating	Lifters	Hydraulic	
Mechanism	Rocker arm ratio	1.75:1	
	Valve guides	Integral with head	
	Valve lash	Zero	
VALVE SPRINGS			
Material		GM 63M	
Compressed length	Closed	1.66 @ 84-92 lbs	1.66 @ 78-86 lbs
	Opened	1.33 @ 166-176 lbs	1.26 @ 170-180 lbs
Free length		2.03	
VALVE SEATS			
Material	Inlet	Cast iron	
	Exhaust	Cast iron	
Valve seat inserts		None	
INLET VALVES			
Material		Carbon steel	
Face coating		None	
Overall length		4.902-4.922	
Head diameter		1.715-1.725	
Stem diameter		.3404-.3417	
Stem to guide clearance		.0010-.0033	
Angle of valve face		45°	
Seat angle in head		46°	
Valve lift		.3350	.4072

		HI-THRIFT 194	TURBO-THRIFT 230
EXHAUST VALVES			
Material		High alloy steel	
Face coating		None	
Overall length		4.913-4.933	
Head diameter		1.495-1.505	
Stem diameter		.3410-.3417	
Stem to guide clearance		.0010-.0027	
Angle of valve face		45°	
Seat angle in head		46°	
Valve lift		.3350	.4072
Exhaust valve rotator		None	
VALVE TIMING			
Inlet valve	Opens	34° BTC	49° BTC
	Closes	86° ABC	95° ABC
Exhaust valve	Opens	68° BBC	95° BBC
	Closes	52° ATC	49° ATC
Inlet duration	W/ramp	300°	324°
	WO/ramp	252°	294°
Exhaust duration	W/ramp	300°	324°
	WO/ramp	252°	294°
CRANKCASE VENTILATION			
Type	Positive		
Cooling System			
GENERAL			
Type	Pressure		
By-pass type	Permanent		
Cooling system capacity	10.5 Quarts		
RADIATOR HOSES			
Material	Inlet	Fabric reinforced rubber	
	Outlet	Steel reinforced rubber	
Hose I.D.	Inlet	1.28	1.50
	Outlet	1.75	
THERMOSTAT			
Make	Harrison		
Type	Pellet		
Begins to open	177° - 183° F		
Fully open	202° F		

**194-230 CUBIC INCH
6-CYLINDER ENGINES-Cont'd.**

	HI-THRIFT 194	TURBO-THRIFT 230
WATER PUMP		
Type	Centrifugal	
Drive	V-Belt	
Capacity	58 GPM @ 4400 RPM	60 GPM @ 4400 RPM
Water pump bearing	Permanently lubricated double row ball	
FAN		
Number of blades	Four-staggered	
Blade diameter	17.62	
Blade type	Curved tip	
Fan to engine speed ratio	.949:1	
FAN BELTS		
Material	Dacron cord and oil & heat resistant rubber compound	
Type	High strength, low stretch, wedge belt	
Width	.380	
Developed length	39.00	
Number used	One	

Lubrication System

GENERAL		
Type		Full pressure
Method	Main bearings	Pressure
	Camshaft bearings	Pressure
	Timing gear	Nozzle
	Connecting rods	Pressure
	Valve mechanism	Pressure
	Cylinder walls	Connecting rod bearing throw-off
Crankcase capacity	Piston pins	Splash
	With filter	5.0
	Without filter	4.0
OIL PUMP		
Type		Gear
Pump intake		Stationary
Pressure gauge type		Electric
Normal oil pressures		30-45 PSI @ 1500 RPM
Capacity		17.2 Qts @ 2000 RPM

	HI-THRIFT 194	TURBO-THRIFT 230
OIL FILLER		
Location		Rocker cover
Cap type		Breather
OIL FILTER		
Type		Full flow
Availability		Standard
Capacity (quarts)		1 Quart
OIL PAN		
Drain plug location		Lower center of oil pan
Drain plug thread size		1/2 - 20 UNF 2A
Hex head size		.875
OIL GRADE RECOMMENDATIONS		
Not lower than 32 degrees F		SAE 20W, SAE 20 or SAE 10W-30
Not lower than 0 degrees F		SAE 10W, SAE 10W-30
Lower than 0 degrees F		SAE 5W, SAE 5W-20
Fuel and Exhaust System		
FUEL TANK		
Capacity		20 gallons
CARBURETOR		
Type		Single barrel-downdraft
Make and model	Rochester #7023105	Rochester #7023003
Venturi I.D.		1.34
Throttle bore		1.56
SAE flange size		1-1/2
Choke control		Automatic
AIR CLEANER		
Make		AC
Element material	Oil wetted	Polyurethane

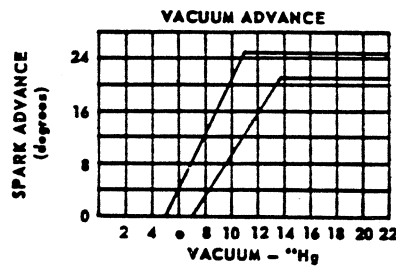
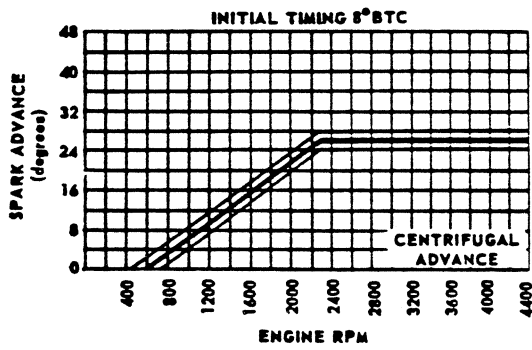
**194-230 CUBIC INCH
6-CYLINDER ENGINES—Cont'd.**

	HI-THRIFT 194	TURBO-THRIFT 230
FUEL FILTER		
Location	Fine mesh plastic strainer in gas tank Sintered bronze filter in carburetor	
FUEL PUMP		
Make	AC	
Type	Mechanical	
Pressure range	5.00-6.50 PSI	
Arm movement	.250	
MUFFLER, EXHAUST AND TAILPIPE		
Muffler type	Reverse flow	
Exhaust pipe O.D.	2.00	
Tail pipe O.D.	1.875	
Electrical System		
GENERAL		
Make and type	Delco-Remy - 12 Volt	
Firing order	1-5-3-6-2-4	
Timing (initial setting)	8° H° BTC @ 450-500	4° BTC @ 500
Timing mark location	On harmonic balancer	
DELCOTRON EQUIPMENT		
Rating and model	Delco-Remy #1100668	
Pulley size	2.70 P.D.	
Ratio-Del. to engine rpm	2.46:1	
VOLTAGE REGULATOR		
Make and model	Delco-Remy #1119515	
Location	From L.H. side of engine compartment	
Voltage	Vibrator type	Two unit (voltage regulator & cutout relay)
Regulator	Volts	13.8-14.8 @ 85° F
Combination light and field relay closing voltage @ 80 degrees	1.3 Volts	

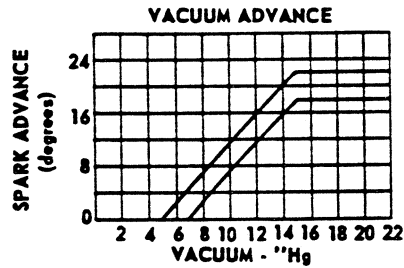
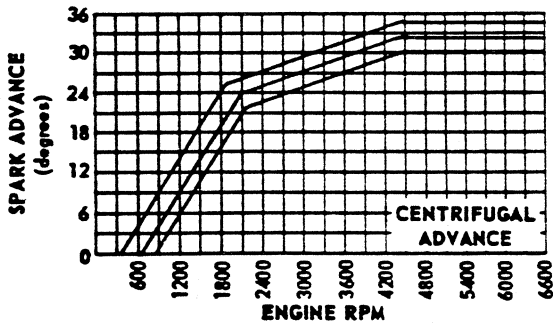
	HI-THRIFT 194	TURBO-THRIFT 230
SPARK PLUGS		
Make and model	AC 46N (long reach)	
Thread size and type	14 MM	
Gap	.033-.038	
Torque	25	
IGNITION COIL		
Make and model	Delco-Remy #1115184	
DISTRIBUTOR		
Make and model	Delco-Remy #1110293	Delco-Remy #1110321
Breaker arm tension	19-23 oz.	
Nominal cam angle (dwell)	31°-34°	
Breaker point gap	.019	
Condenser capacity	.18-.23 Microfarad	
Type of advance	Centrifugal & Vacuum	
STARTING MOTOR		
Make and model	Delco-Remy #1107259	
Number of pinion teeth	9	
Test data	Amperes	49-76
(free speed)	Volts	10.6
	RPM	6200-9400
Starter actuation	By solenoid	
IGNITION SWITCH		
Type	Key operated	
Positions	Accessory, Lock, Off, On, Start	
SPARK PLUG WIRES		
Type	Graphite impregnated, braided rayon core	
Cable size	7 MM	
Resistance	4000 Ohms per foot	
BATTERY		
Model number	554	
Capacity @ 20 hr. rate	44 Amperes	
Plates per cell	9	
Weight	30 Lbs.	
Ground	Negative	
Fully charged	Specific gravity of 1.270 ± 0.010 @ 80°F	
Location	Front R.H. side of engine compartment	

194-230 CUBIC INCH 6-CYLINDER ENGINES—Cont'd.

HI-THRIFT 194 CUBIC INCH 6 CYLINDER ENGINE



TURBO-THRIFT 230 CUBIC INCH 6 CYLINDER ENGINE



283 CUBIC INCH V-8 ENGINES

TURBO-FIRE 283

BASIC SPECIFICATIONS

Engine Type	Valve-In-Head
Piston Displacement	283 Cu.In.
Bore and Stroke (nominal)	3-7/8 x 3
Compression Ratio	9.25:1
Taxable Horsepower (SAE)	48
Carburetor Type	2-Barrel; 4-Barrel RPO (L77)
Idling Speed: RPM's	
Manual Transmission in Neutral	450-500
Automatic Transmission in Drive	450-500
Compression Pressure (engine hot)	150
Dry Weights:	
Engine and Clutch	607
With Transmission	672

ENGINE IDENTIFICATION

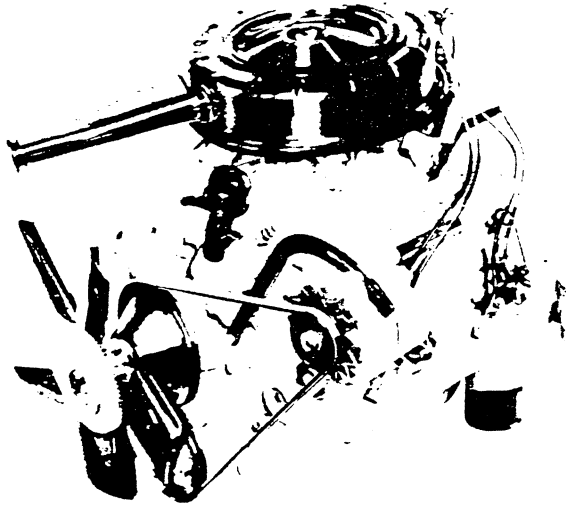
Engine Color	Orange
Decalcomania Location	R.H. Side of Rocker Cover

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.

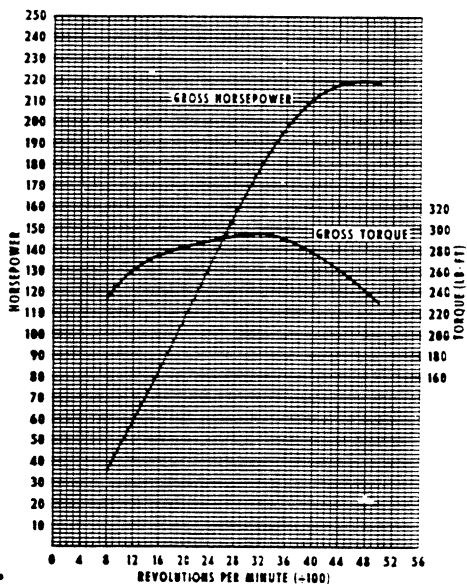
Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, Delcotron not charging, and optimum spark advance.

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

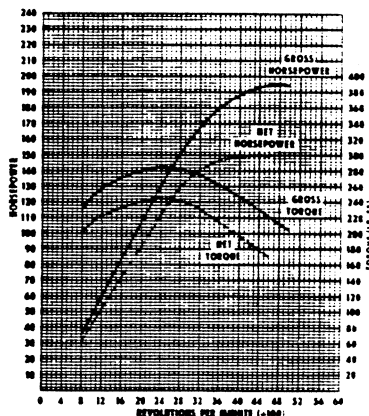


	4-BARREL	2-BARREL
Gross Horsepower	220 at 4800 RPM	195 at 4800 RPM
Net Horsepower	N.A.	150 at 4400 RPM
Gross Torque, ft. lbs.	295 at 3200 RPM	285 at 2400 RPM
Net Torque, ft. lbs.	N.A.	245 at 2400 RPM

4-BARREL



2-BARREL



AVAILABILITY

STANDARD	RPO
2-BARREL	
54-5680	---
4-BARREL	
---	(L-77) 54-5680

**283 CUBIC INCH
V-8 ENGINES - Cont'd.**

		TURBO-FIRE 283		
		STANDARD	RPO (L77)	
CYLINDER BLOCK				
Material		Cast alloy iron		
Bore diameter		3.875		
CYLINDER HEAD				
Material		Cast alloy iron		
Type		Valve-in-head		
Cylinder head bolt torque		60-70 Ft. Lbs.		
Number of cylinder head bolts		34		
-CRANKSHAFT				
Material		Forged steel		
Number of counterweights		6		
Weight		48 lbs.		
End play		.002-.006		
Stroke		3.00		
Journal diameter		2.3004		
Pulley diameter		6.64		
Crankpins	Width	1.898-1.902		
	Diameter	1.949-2.000		
Harmonic balancer		None	Rubber mounted inertia	
Main Bearings	Type	Precision removable		
	Material	Steel backed babbitt or copper lead alloy		
	End thrust against	#5		
	Bearing clearance	.0003-.0029		
	Theoretical L.D. *	2.3004		
	Effective	1-4	.752	
	Length §	5	1.177	
	Projected	1-4	1.7299	
Area ¶	5	2.7076		

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

			TURBO-FIRE 283	
			STANDARD	RPO (L77)
CAMSHAFT				
Material			Cast alloy iron	
End play			None	
Type			Chain	
Sprocket Drive			Steel	
Material Driven			Cast alloy iron	
Camshaft Drive			46	
Timing Adjustment			None	
Chain Pitch			.500	
Width			.875	
Material			Extra-life steel backed babbitt	
Clearance			.0015-.0035	
Ream diameter			1.8712	
Length 1-4			.740	
5			.940	
Projected 1-4			1.3847	
Area * 5			1.7589	
PISTONS				
Material			Cast aluminum alloy	
Skirt and head			Flat, notched head, slipper skirt	
Skirt clearance			.0005-.0011	
Top land clearance			.035-.044	
Top ring groove insert			None	
Compression ring groove depth			.2153-.2203	
Oil ring groove depth			.2093-.2143	
Weight (ounces)			20.30	

* - Based on ream diameter and overall length.

**283 CUBIC INCH
V-8 ENGINES - Cont'd.**

		TURBO-FIRE 283	
		STANDARD	RPO (L77)
PISTON PINS			
Material		Chromium steel	
Type		Locked in rod	
Diameter		.9270-.9273	
Length		2.990-3.010	
Taper limit in full length		.0001	
Clearance in piston		.00015-.00025	
Surface finish		10-14 Micro-inches	
CONNECTING RODS			
Material		Drop forged steel	
Rod width at piston end		1.007-1.011	
Rod width at crank pin end		.944-.945	
End play		.008-.014	
Rod length centerline to centerline		5.699-5.701	
CRANKPIN BEARINGS			
Type		Precision removable insert	
Material		Steel backed babbitt or copper lead alloy	
Bearing Diameter		2.0012	
Effective length		.817	
Projected area		1.635	
Clearance on diameter		.0007-.0028	
Side clearance		.008-.014	
COMPRESSION RINGS			
Number per piston		Two	
Type		Inside bevel	
Material		Cast alloy iron	
Coating		Flash chrome plated O.D. Wear resistant coated O.D.	
Upper Width		.0775-.0780	
Lower Width		.0770-.0780	
Gap		.010-.020	
Diameter		3.875	
Wall thickness		.1840-.1880	
Ring groove clearance		.0012-.0032	
OIL CONTROL RINGS			
Number per piston		One	
Type		Multi-piece - two rails and one spacer	
Material		Stainless steel, chrome plated O.D. Steel	
Coating		Upper and lower rails, chrome plated O.D.	
Width		.0280	
Rail gap		.1370-.1390	
Rail gap		.015-.055	
Diameter		3.875	
Rail wall thickness		3.892-3.918 (free diameter)	
Total oil ring width		.150-.156	
Ring groove clearance		.1885	
Ring groove clearance		.0006-.0084	

		TURBO-FIRE 283	
		STANDARD	RPO (L77)
VALVE TRAIN		Rocker arm & shaft, push rod actuated	
Valve	Type	Hydraulic	
Operating Mechanism	Lifters	1.51:1	
	Rocker arm ratio	Integral with cylinder head	
	Valve guides	Zero	
	Valve lash (hot)		
Inlet Valve	Material	Carbon steel	
	Face coating	None	
	Overall length	4.902-4.922	
	Head diameter	1.715-1.725	
	Stem diameter	.3404-.3417	
	Stem guide clearance	.0010-.0033	
	Angle of valve face	45°	
	Angle of seat in head	46°	
	Valve lift	.3987	
Exhaust Valve	Material	High alloy steel	
	Face coating	Aluminized	
	Overall length	4.913-4.933	
	Head diameter	1.495-1.505	
	Stem diameter	.3410-.3417	
	Stem to guide clearance	.0010-.0027	
	Angle of valve face	45°	
	Angle of seat in head	46°	
	Valve lift	.3987	
	Exhaust valve rotators	None	
Valve Springs	Compression length	Opened	1.26 @ 170-180
		Closed	1.66 @ 78-86
	Free length		2.06
	Spring dampers		Yes
VALVE SEATS			
Material			
Valve seat inserts		None	
VALVE TIMING			
Inlet	Opens	32°30' BTC	
	Closes	87°30' ABC	
Exhaust	Opens	74°30' BBC	
	Closes	45°30' ATC	
Inlet duration	W/ramp	300°	
	WO/ramp	250°	
Exhaust duration	W/ramp	300°	
	WO/ramp	250°	

**283 CUBIC INCH
V-8 ENGINES - Cont'd.**

		TURBO-FIRE 283	
		STANDARD	RPO (L77)
CRANKCASE VENTILATION			
Type		Positive	
Lubrication System			
GENERAL			
Type			
Method of Lubrication	Main bearings	Pressure	
	Camshaft bearings	Pressure	
	Timing gear	Nozzle	
	Connecting rods	Pressure	
	Valve mechanism	Pressure	
	Cylinder walls	Pressure cross sprayed	
	Piston pins	Splash	
Crankcase Capacity	With filter	5.0	
	Without filter	4.0	
OIL PUMP			
Type		Gear	
Pump intake		Stationary	
Pressure gauge type		Electric	
Normal oil pressure		30-45 PSI @ 1500 RPM	
Capacity		4.3 @ 2000 RPM	
OIL FILLER			
Location		Left front of intake manifold	
Cap type		Breather	
OIL FILTER			
Type		Full-flow throwaway cannister	
Capacity		One quart	
Make and model		AC, OF243	
Element model number		PF-141	
Element type		Paper	
OIL PAN			
Drain plug location		Left side, lower edge oil sump	
Drain plug thread size		1/2-20 UNF-2A	
Hex head size		7/8	
OIL GRADE RECOMMENDATIONS			
Not lower than, 32° F		SAE 20W, SAE 20 or SAE 10W-30	
Not lower than 0° F		SAE 10W, SAE 10W-30	
Lower than 0° F		SAE 5W, SAE 5W-20	

		TURBO-FIRE 283	
		STANDARD	RPO (L77)
Cooling System			
GENERAL			
Type			Pressure
By-pass			Permanent
Cooling system capacity			16.0 Quarts
RADIATOR			
Make and type			Harrison tube & center
Core thickness			1.26
RADIATOR HOSES			
Material	Inlet		Fabric reinforced rubber
	Outlet		Steel reinforced rubber
Hose I.D.	Inlet		1.50
	Outlet		1.75
THERMOSTAT			
Make			Harrison
Type			Pellet
Begins at			177° - 183° F
Fully opened			212 °F
WATER PUMP			
Type			Centrifugal
Drive			V-Belt
Capacity			53 GPM @ 4200 RPM
Water pump bearing			Permanently lubricated double row ball
FAN			
Number of blades		4	5 (Viscous fan drive)
Blade diameter		17.62	18.00
Blade type			Curved
Fan to engine speed ratio			.949:1
FAN BELTS			
Material			Dacron core & oil & heat resistant rubber compound
Type			High strength, low stretch, wedge belt
Width			.380
Developed length			53.50
Number used			One

**283 CUBIC INCH
V-8 ENGINES - Cont'd.**

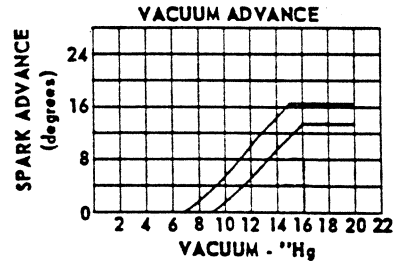
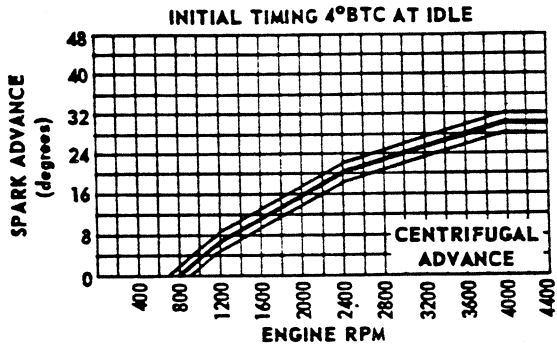
		TURBO-FIRE 283	
		STANDARD	RPO (L77)
Fuel and Exhaust System			
FUEL TANK		20 Gallons	
Capacity			
CARBURETOR		20 Gallons	
Type		2 Barrel downdraft	4 Barrel downdraft
Make and model		Rochester 2G	Rochester 4G
Venturi L.D.		1.09	Primary 1.0625, Secondary 1.125
Throttle bore		1.4375	Primary & Secondary 1.44
SAE flange size			1.25
Choke control			Automatic
AIR CLEANER			
Make			AC
Type			Paper
FUEL FILTER			
Tank filter			Fine mesh plastic strainer
Intermediate			None
Carburetor			Sintered bronze filter
FUEL PUMP			
Make and model			AC
Type			Mechanical
Pressure range			5.25-6.50 PSI
Arm movement at camshaft			.34
MUFFLER, EXHAUST AND TAILPIPE			
Muffler type		Single with cross over Reverse flow	Dual-reverse flow
Exhaust pipe O.D.			2.0
Tail pipe O.D.			1.875

	STANDARD	TURBO-FIRE 283	RPO (L77)
Electrical System			
GENERAL			
Make and type	Delco-Remy - 12 Volt		
Firing order	1-8-4-3-6-5-7-2		
Timing (initial setting)	4° ±1° BTDC		
Timing mark location	Crankshaft pulley hub		Harmonic balancer
DELCOTRON EQUIPMENT			
Rating and model	37 ampere Delco-Remy #1100668		
Pulley size	2.88		
Ratio - Del. to engine rpm	2.46:1		
VOLTAGE REGULATOR			
Make and model	Delco-Remy #1119515		
Location	Left side front engine compartment		
Voltage	Dual contact		
Regulator	13.8-14.8 @ 85° F		
Combination light and field relay closing voltage @ 80 degrees	2.5-4.5 volts		
SPARK PLUGS			
Make and model	AC45		AC44
Thread size and type	14MM		14MM
Gap	.033-.038		
Torque	25		
IGNITION COIL			
Make and model	Delco-Remy #1115115		
Amperes drawn	4.0 engine stopped; 1.8 engine idling		
DISTRIBUTOR			
Make and model	Delco-Remy #1111015		Delco-Remy #1111051
Breaker arm tension	19-23 oz.		
Nominal cam angle (dwell)	29° -31°		
Breaker point gap	.019		
Condenser capacity	.18-.23 Micro-farad		
Type of advance	Centrifugal and vacuum		

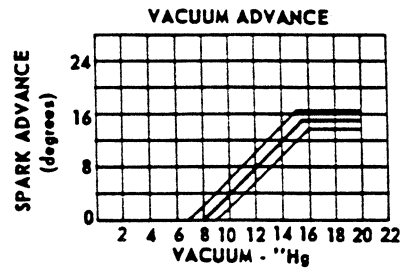
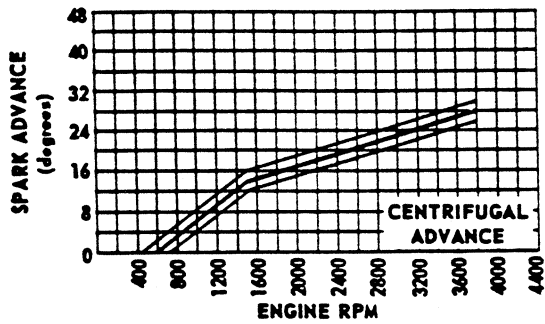
**283 CUBIC INCH
V-8 ENGINES - Cont'd.**

	TURBO-FIRE 283	
	STANDARD	RPO (L77)
STARTING MOTOR		
Make and model	Delco-Remy #1107247	
Number of pinion teeth	9	
Flywheel to starter ratio	21.88:1	
Test data	Amperes	49-76
(free speed)	Volts	10.6
	RPM	6200-9400
Starter actuation	By solenoid	
IGNITION SWITCH		
Type	Key operated	
Positions	Accessory, Lock, Off, On, Start	
SPARK PLUG WIRES		
Type	Graphite impregnated, braided rayon core	
Cable size	7MM	
Resistance	4000 OHMS per foot	
BATTERY		
Model number	554	
Capacity @ 20 hr. rate	44 amp. hour	
Plates per cell	9	
Weight	35	
Ground	Negative	
Fully charged	1.270±.010 @ 80° F	
Location	Right front engine compartment	

TURBO-FIRE 283 CUBIC INCH V-8 ENGINE
2-BARREL



TURBO-FIRE 283 CUBIC INCH V-8 ENGINE
4-BARREL

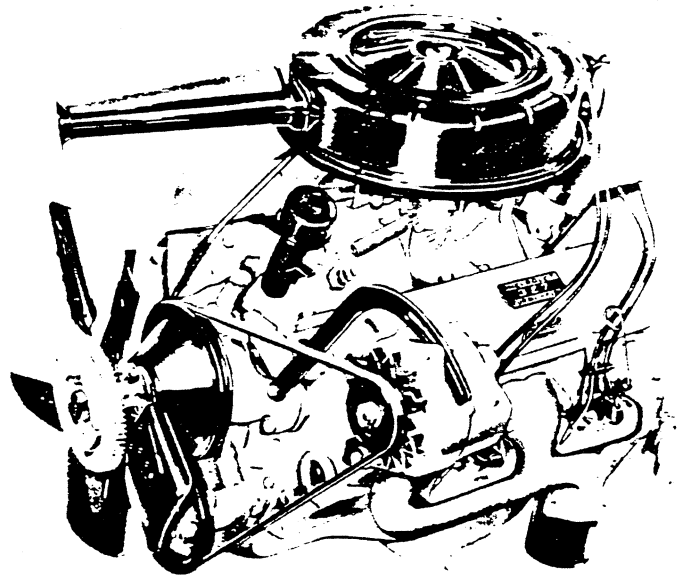


327 CUBIC INCH V-8 ENGINES

TURBO-FIRE 327

BASIC SPECIFICATIONS

Engine Type	Valve-In-Head
Piston Displacement	327 Cu.in.
Bore and Stroke (nominal)	4 x 3-1/4
Compression Ratio	10.5:1
Taxable Horsepower (SAE)	51.2
Carburetor Type	4-Barrel
Idling Speed: RPM's	
Manual Transmission in Neutral	450-500
Automatic Transmission in Drive	450-500
Dry Weights:	
Engine and Clutch	600
With Transmission	665



ENGINE IDENTIFICATION

Engine Color	Orange-Red
Decalcomania Location	R.H. Valve Rocker Cover

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.

TURBO-FIRE 327

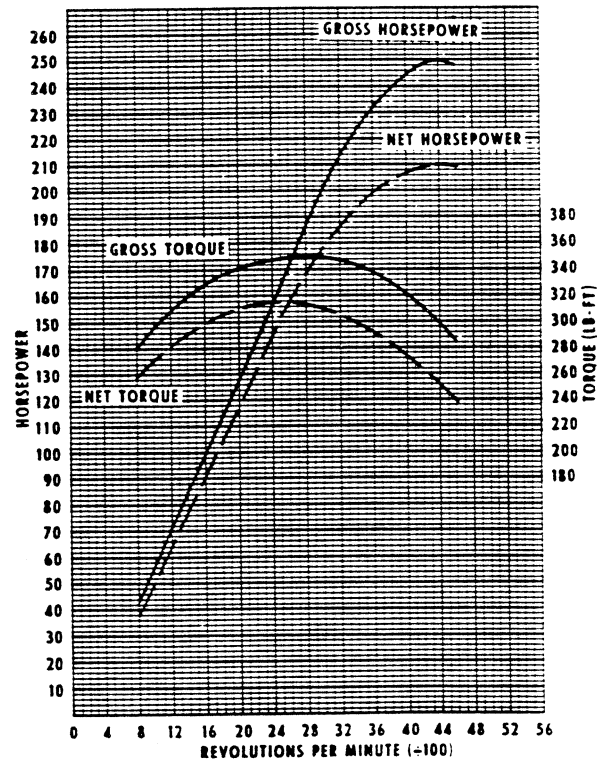
Gross Horsepower	250 at 4400 RPM
Net Horsepower	210 at 4400 RPM
Gross Torque, ft.lbs.	350 at 2800 RPM
Net Torque, ft.lbs.	315 at 2600 RPM

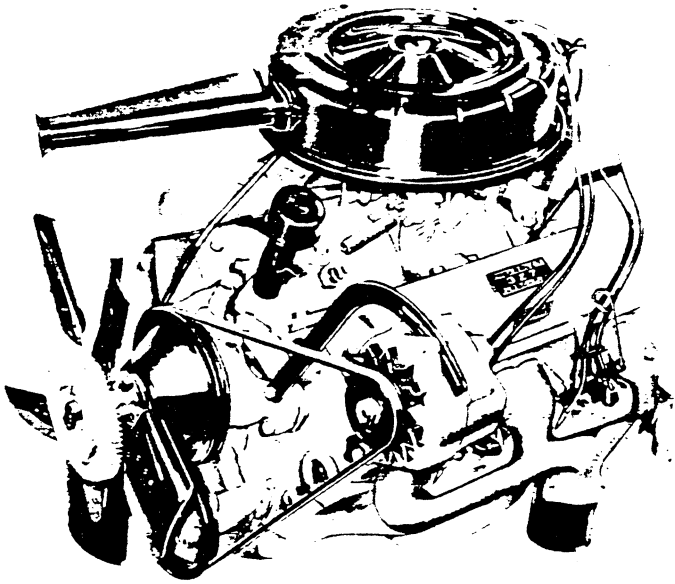
AVAILABILITY

STANDARD

RPO

(L30) 54-5680





TURBO-FIRE 327

BASIC SPECIFICATIONS

Engine Type	Valve-In-Head
Piston Displacement	327 Cu.In.
Bore and Stroke (nominal)	4 x 3-1/4
Compression Ratio	10.5:1
Taxable Horsepower (SAE)	51.2
Carburetor Type	4-Barrel
Idling Speed: RPM's	
Manual Transmission in Neutral	450-500
Automatic Transmission in Drive	450-500
Compression Pressure (engine hot)	140
Dry Weights:	
Engine and Clutch	600
With Transmission	671

ENGINE IDENTIFICATION

Engine Color	Orange-Red
Decalcomania Location	R.H. Valve Rocker Cover

TURBO-FIRE 327

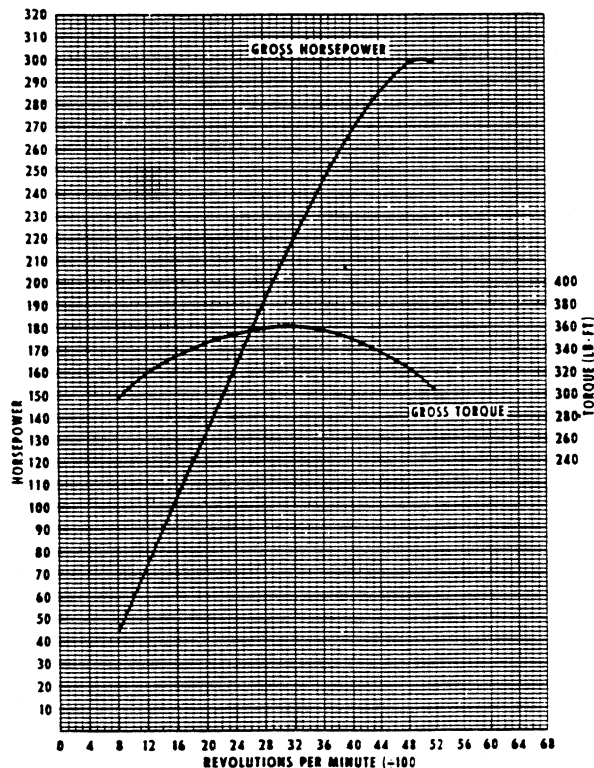
Gross Horsepower	300 at 5000 RPM
Gross Torque, ft.lbs.	360 at 3200 RPM

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.



AVAILABILITY

STANDARD

RPO

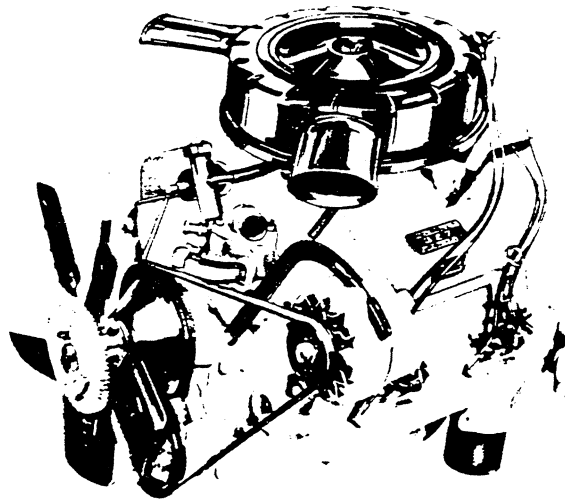
(L74) 54-5680

327 CUBIC INCH V-8 ENGINES - Cont'd.

TURBO-FIRE 327

BASIC SPECIFICATIONS

Engine Type	Valve-In-Head
Piston Displacement	327 Cu.In.
Bore and Stroke (nominal)	4 x 3-1/4
Compression Ratio	11.0:1
Taxable Horsepower (SAE)	51.2
Carburetor Type	4-Barrel
Idling Speed: RPM's	
Manual Transmission in Neutral	450-500
Automatic Transmission in Drive	450-500
Compression Pressure (engine hot)	140
Dry Weights:	
Engine and Clutch	600
With Transmission	671



ENGINE IDENTIFICATION

Engine Color	Orange-Red
Decalcomania Location	R.H. Valve Rocker Cover

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.

TURBO-FIRE 327

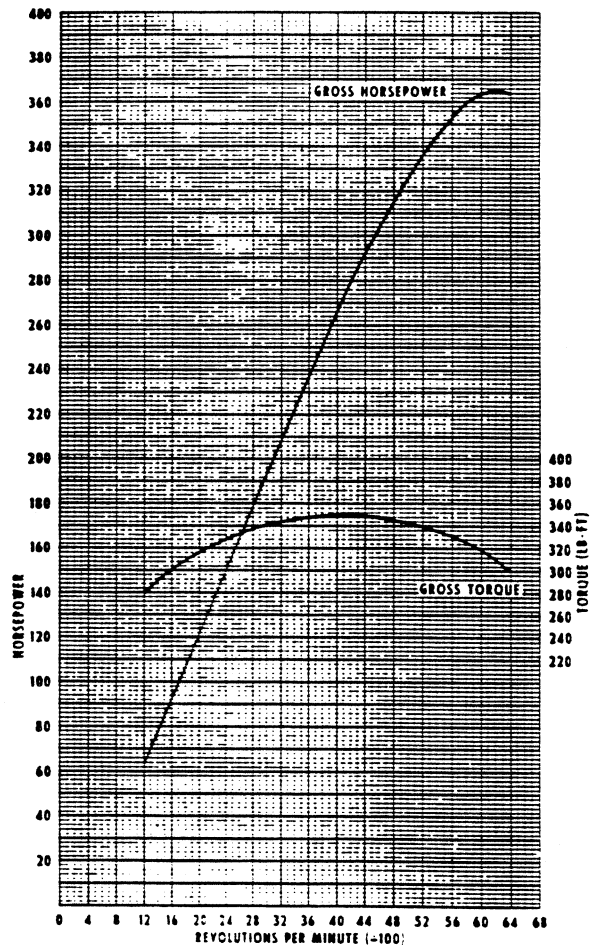
Gross Horsepower	365 at 6200 RPM
Gross Torque, ft.lbs.	350 at 4000 RPM

AVAILABILITY

STANDARD

RPO

(L76) 54-5680



	RPO (L30)	RPO (L74)	RPO (L76)
CYLINDER BLOCK			
Material		Cast alloy iron	
Bore diameter		4.001	
CYLINDER HEAD			
Material		Cast alloy iron	
Type		Valve-in-head	
Cylinder head bolt torque			
Number of cylinder head bolts		34	
CRANKSHAFT			
Material		Forged steel	
Number of counterweights		6	
Weight		54 lbs.	
End play		.002-.006	
Stroke		3.250	
Journal diameter		1.999-2.000	
Pulley diameter		6.64	
Crankpins	Width	1.898-1.902	
	Diameter	1.999-2.000	
Harmonic balancer		Inertia, rubber mounted	
	Type	Precision removable	
	Material	Premium aluminum except #5 upper-steel backed babbitt	
	End thrust against	5	
	Bearing clearance	#1-4 .0008-.0034; #5 .0010-.0036	
Main Bearings	Theoretical I.D.*	#1-4 2.3009; #5 2.3006	
	Effective	1-4	.752
	Length §	5	1.1824
	Projected	1-4	1.7303
	Area ¶	5	2.7202

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

**327 CUBIC INCH
V-8 ENGINES - Cont'd.**

			RPO (L30 & L74)	RPO (L76)
CAMSHAFT				
Material			Cast alloy iron	
End play			None	
Type			Chain and sprocket	
Sprocket Drive			Steel	
Material Driven			Cast alloy iron	
Camshaft Drive			40	
Timing Adjustment			None	
Chain Pitch			.500	
Width			.875	
Material			Extra life steel backed babbitt	
Clearance			.0015-.0035	
Ream diameter			1.8715	
Bearings	Length	1 - 4	.740	
		5	.940	
	Projected	1 - 4	1.384	
	Area*	5	1.758	

*Based on ream diameter and overall length.

PISTONS

Type	Cast aluminum	Aluminum impact extruded
Skirt and head	Flat head - notched, slipper skirt	Domed head, slipper skirt
Skirt clearance	.0005-.0011	.0039-.0045
Top land clearance	.0365-.0455	
Top ring groove insert	None	
Compression ring groove depth	.2217-.2283	
Oil ring groove depth	.2038-.2103	
Weight (ounces)	21.6	20.2

	RPO (L30)	RPO (L74)	RPO (L76)
PISTON PINS			
Material		Chromium steel	
Type		Locked in rod	
Diameter		.9270-.9273	
Length		2.990-3.010	
Clearance in piston	.00015-.00025		.00045-.00055
CONNECTING RODS			
Material		Drop forged steel	
Rod width at piston end		1.007-1.011	
Rod width at crank pin end		.944-.945	
End play		.009-.013	
Rod length C/L to C/L		5.699-5.701	
CRANKPIN BEARINGS			
Type		Precision removable	
Material		Premium aluminum	
Bearing	Diameter	2.0017	
Dimensions	Effective length	.807	
	Projected area	1.635	
COMPRESSION RINGS			
Number per piston		Two	
Type		One ring & one expander	
Material		Cast alloy iron ring, steel expander	
Coating	Upper	Chrome	Molybdenum
	Lower	Wear resistant	Molybdenum
Width		.0775-.0780	
Gap		.013-.023	
Diameter		3.875	
Wall thickness		.164-.170	
Ring groove clearance		.0012-.0032	
OIL CONTROL RINGS			
Number per piston		One	
Type		Multi-piece (2 rails and one spacer expander)	
Material	Rails	Steel	
	Spacer	Stainless steel	
Coating		Chrome plated OD	
Width	Rails	.0280 max.	
	Spacer	.1370-.1390	
Rail gap		.015-.055	
Diameter	Rails	3.875	
	Spacer	3.892-3.918	
Rail wall thickness		.150-.156	
Total oil ring width		.1840-.1880	
Ring groove clearance		.0006-.0084	

327 CUBIC INCH V-8 ENGINES - Cont'd.

		RPO (L30)	RPO (L74)	RPO (L76)
VALVE TRAIN		Individually mounted, push rod operated overhead rocker arms		
Valve	Type	Hydraulic		Mechanical
Operating Mechanism	Lifters	1.5:1		
	Rocker arm ratio	Integral with head		
	Valve guides	Zero		.025
	Valve lash (hot)			
Inlet Valve	Material	Carbon steel	Alloy steel	
	Face coating			
	Overall length	4.902-4.922	4.870-4.889	
	Head diameter	1.715-1.725	1.935-1.945	
	Stem diameter		.3404-.3417	
	Stem guide clearance		.0010-.0027	
	Angle of valve face		45°	
	Angle of seat in head		46°	
	Valve lift	.3987	.4850	
	Exhaust Valve	Material		High alloy steel
Face coating			Aluminized	
Overall length		4.913-4.933	4.891-4.910	
Head diameter		1.495-1.505	1.595-1.605	
Stem diameter			.3410-.3417	
Stem to guide clearance			.0010-.0027	
Angle of valve face			45°	
Angle of seat in head			46°	
Valve lift		.3987	.4850	
		Exhaust valve rotators	None	
Valve Springs	Compression length		1.26 @ 170-180 lb	
		Opened	1.66 @ 78-86 lb	
		Closed		
	Free length	2.08		
	Springs dampers	Steel - 4 coils		
VALVE SEATS		Cast alloy iron, induction hardened		
Material		None		
Valve seat inserts				
VALVE TIMING				
Inlet	Opens	32° 30' BTC		60° 50' BTC
	Closes	87° 30' ABC		105° 23' ABC
Exhaust	Opens	74° 30' BBC		108° 50' BBC
	Closes	45° 30' ATC		57° 23' ATC
Inlet duration		300°		346° 13'
Exhaust duration		300°		346° 13'

		RPO (L30)	RPO (L74)	RPO (L76)
CRANKCASE VENTILATION				
Type		Positive		
Lubrication System				
GENERAL				
Type		Full pressure		
Method of Lubrication	Main bearings	Pressure		
	Camshaft bearings	Pressure		
	Timing gear	Nozzle		
	Connecting Rods	Pressure		
	Valve mechanism	Pressure		
	Cylinder walls	Pressure, jet cross sprayed		
	Piston pins	Splash		
	Valve lifter	Pressure		
Crankcase Capacity	With filter	5		
	Without filter	4		
OIL PUMP				
Type		Gear		
Pump intake		Stationary		
Pressure gauge type		Electric		
Normal oil pressure		40 PSI @ 2000 RPM		
Capacity		4.3 GPM @ 2000 RPM		
OIL FILLER				
Location		Left front of intake manifold		
Cap type		Oil wetted crimped aluminum breather		
OIL FILTER				
Type		Full flow, replaceable element		
Capacity		One quart		
Make and model		AC PM-16		
Element model number		PF-141		
Element type		Paper		
OIL PAN				
Drain plug location		Lower front edge of oil pan sump		
Drain plug thread size		1/2-20 UNF 2A		
Hex head size		.860-.875		
OIL GRADE RECOMMENDATIONS				
Not lower than 32° F		SAE 20W, SAE 20, or SAE 10W-30		
Not lower than 0° F		SAE 10W or SAE 10W-30		
Lower than 0° F		SAE 5W or SAE 5W-20		

**327 CUBIC INCH
V-8 ENGINES - Cont'd.**

	RPO (L30)	RPO (L74)	RPO (L76)
Cooling System			
GENERAL			
Type	Pressurized		
By-pass	Thermostatically controlled		
Cooling system capacity	17 Quarts		
RADIATOR CORE			
Make and type	Harrison, tube on center		
Core thickness	1.26		1.75
RADIATOR HOSES			
Material	Fabric reinforced rubber		
	Steel reinforced rubber		
	1.75		
Hose I.D.	1.75		
	1.75		
THERMOSTAT			
Make	Pellet		
Type	177° - 183° F		
Begins at	212° F		
Fully opened			
WATER PUMP			
Type	Centrifugal		
Drive	V - Belt		
Capacity	55 GPM @ 4000		
Water pump bearing	Double, roll ball		
FAN			
Number of blades	5, staggered		
Blade diameter	18.00		
Drive - type	Viscous fan drive		
Fan to engine speed ratio	.949:1		
FAN BELTS			
Material	Reinforced rubber		
Type	"V"		
Width	.380		
Developed length	53.25		41.50 57.50
Number used	One		

RPO (L30)

RPO (L74)

RPO (L76)

Fuel And Exhaust System**FUEL TANK**

Capacity

20 gallons

CARBURETOR

Type

Downdraft - 4 barrel

Make

Rochester

Model

7024125
1.06P; 1.25S

3851761

3858399

Venturi I.D.

1.25P; 1.56S

1.25P; 1.3125S

Throttle bore

1.44

1.5625P; 1.6875S

1.5625

SAE flange size

1.50

Choke control

Automatic

AIR CLEANER

Make

AC

Oil Wetted Element material

Paper

FUEL FILTER

Tank filter

Fine mesh plastic strainer

Carburetor or Intermediate

Sintered bronze in
carburetor inletGlass bowl
paper elementIn line paper
element**FUEL PUMP**

Make and Model

AC, GR

Type

Mechanical

Pressure range

5.25-6.50 PSI

Arm movement at camshaft

.34

MUFFLER, EXHAUST AND TAILPIPE

Muffler type

Dual, reverse flow

Exhaust pipe O.D. & wall thickness

2.0 x .073-.091

2.5 x .062-.072

Tail pipe O.D. & wall thickness

1.875 x .062 x .076

2.00 x .073 - .091 Laminated

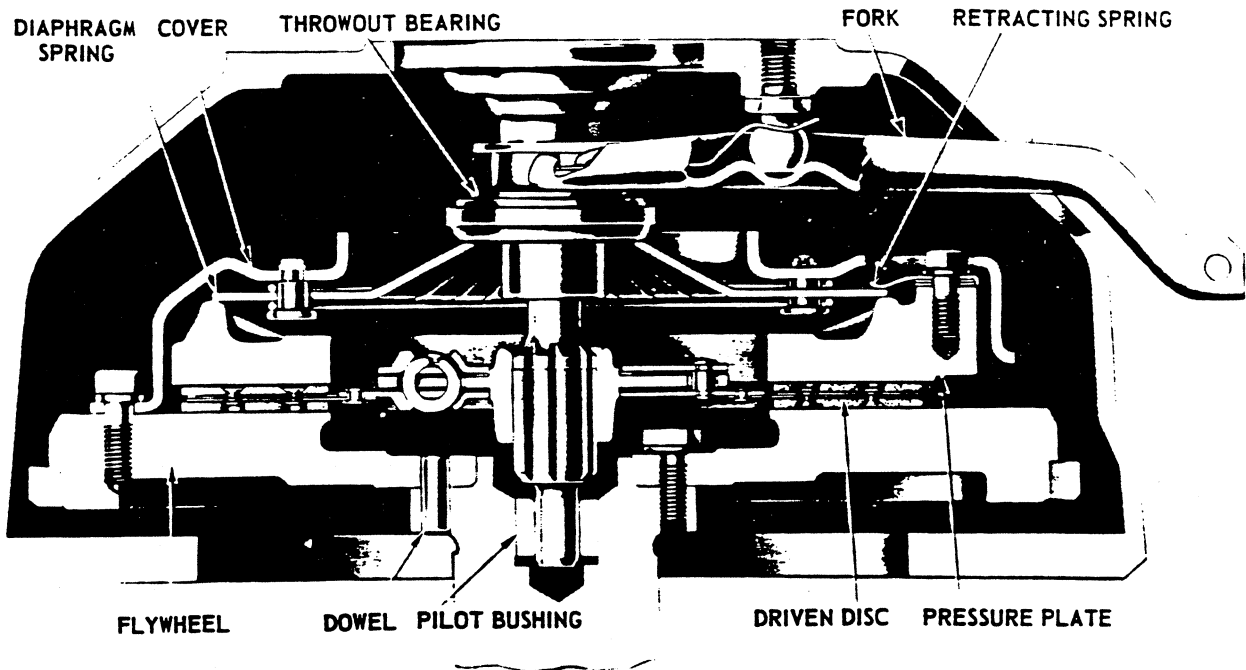
**327 CUBIC INCH
V-8 ENGINES - Cont'd.**

	RPO (L30)	RPO (L74)	RPO (L76)
Electrical System			
GENERAL			
Make and type	Delco-Remy, 12 Volt		
Firing order	1-8-4-3-6-5-7-2		
Timing (initial setting)	4° ± 1° BTC @ 550		
Timing mark location	Vibration damper		
DELCOTRON EQUIPMENT			
Rating and model	9-37		
Pulley size P.D.	2,70		
Ratio-Del. to engine rpm	2.46:1		
VOLTAGE REGULATOR			
Make and model	Delco-Remy, #1119515		
Location	Left side of front engine compartment		
Voltage	Dual contact		
Vibrator type	13.8-14.8		
Regulator Volts	1-3 Volts		
Combination light and field relay closing voltage @ 80°			
SPARK PLUGS			
Make and model	AC 44		
Thread size and type	14 MM X 1.25 MM short reach		
Gap	.033 x .038		
Torque	25 lb.ft.		
IGNITION COIL			
Make and model	Delco-Remy #1115115	Delco-Remy # 1115087	
Amperes drawn	4.0 engine stopped; 1.8 engine idling		
DISTRIBUTOR			
Make and model	Delco-Remy #1111016	Delco-Remy # 1111071	
Breaker arm tension	19-23 oz.		
Nominal cam angle (dwell)	28-32		
Breaker point gap	.019		
Condenser capacity	.18-.23 Micro-farad		
Type of advance	Centrifugal and vacuum		

STARTING MOTOR		
Make and model		Delco-Remy 1107320
Number of pinion teeth		9
Test data (free speed)	Amperes	65-100
	Volts	10.6
	RPM	3600-5100
Starter actuation		By solenoid
IGNITION SWITCH		
Type		Key operated
SPARK PLUG WIRES		
Type		Graphite impregnated, braided rayon core
Cable size		7MM
Resistance		4000 Ohms/foot

CLUTCH SIZE AND TYPE	DIAPHRAGM 9-1/8 INCH		DIAPHRAGM 10 INCH	DIAPHRAGM BENT FINGER DESIGN 10-13/32 INCH
ENGINE APPLICATION	194 CU. IN. AND 230 CU. IN. ENGINES WITH 3-SPEED		283 CU. IN. ENGINE WITH 3-SPEED TRANS.; 327 CU. IN. ENGINE (RPO L76) WITH 4- SPEED TRANS.	283 CU. IN. ENGINE WITH 4-SPEED TRANS.; 327 CU. IN. ENGINE (RPO L30 or L74) WITH 3 or 4-SPEED TRANS.
Rated Torque Capacity (ft. lbs.)	235			282
Drive	Strap			
Clutch Springs	Number Used	1		
	Material	Spring steel heat treated		
Total Pressure (lbs)	1250	15-1800*	1750-1950	2100-2300
Spring Release	Diaphragm action			
Type	Dry disk with two facings			
Number of Plates	1			
Driven Disk	Vibration Dampers	6 Springs	12 Springs	10 Springs
	Material	Woven asbestos composition		
Facing	O.D.	9-1/8	10	10-13/32
	I.D.	6-1/8	6-1/2	6-1/2
	Thickness		.135	
	Area (sq. in.)	71.8	90.7	103.5
Bearing	Clutch Release Type	Single row ball		
	Lubrication	Packed and sealed		
Pilot	Make	Chevrolet		
	Type	Sintered powdered bronze bushing		
Flywheel Material	Cast iron			
Ring Gear	Type	Cold drawn steel, shrunk on flywheel		
	Number of Teeth	153		
	Width & Pitch Dia.	.4010 x 12.75		
Clutch Attachment to Flywheel	6 Bolts			

* - 230 cu. in. engine

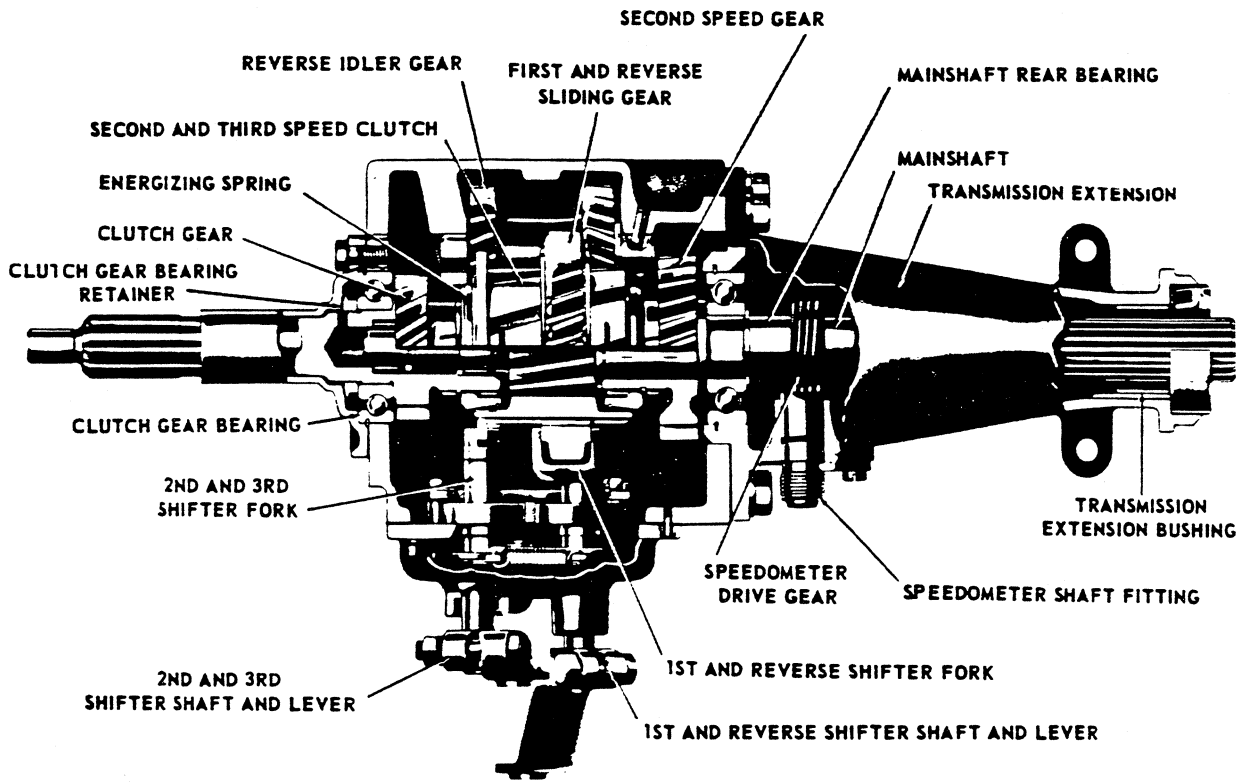


10-13/32 INCH DIAPHRAGM CLUTCH
BENT FINGER DESIGN

Clutch Controls

Type	Mechanical linkage
Clutch Fork	Drop forged steel, pivot mounted on ball
Pedal Mounting	Pendent, from brace on dash

TRANSMISSIONS



Synchronmesh

TYPE	3-SPEED		4-SPEED RPO (M20)	
APPLICATION	194 CU.IN. L-6 230 CU.IN. L-6 RPO (L61)	283 CU.IN. V-8 283 CU.IN. V-8 RPO (L77)	283 CU.IN. V-8 283 CU.IN. V-8 RPO (L77)	
Make	Chevrolet			
Gears	Forged steel, hardened			
Material Type	Helical			
Synchronized Speeds	2nd and 3rd		All forward gears	
Gear Ratio	First	2.94	2.58	2.56
	Second	1.68	1.48	1.91
	Third	1.00	1.00	1.48
	Fourth	--	--	1.00
	Reverse	2.94	2.58	2.64
Gearshift Control	Manual remote Mounted on steering column		Manual direct Mounted on floor	
Lubricant Capacity (pints)	2.0		2.5	

Overdrive

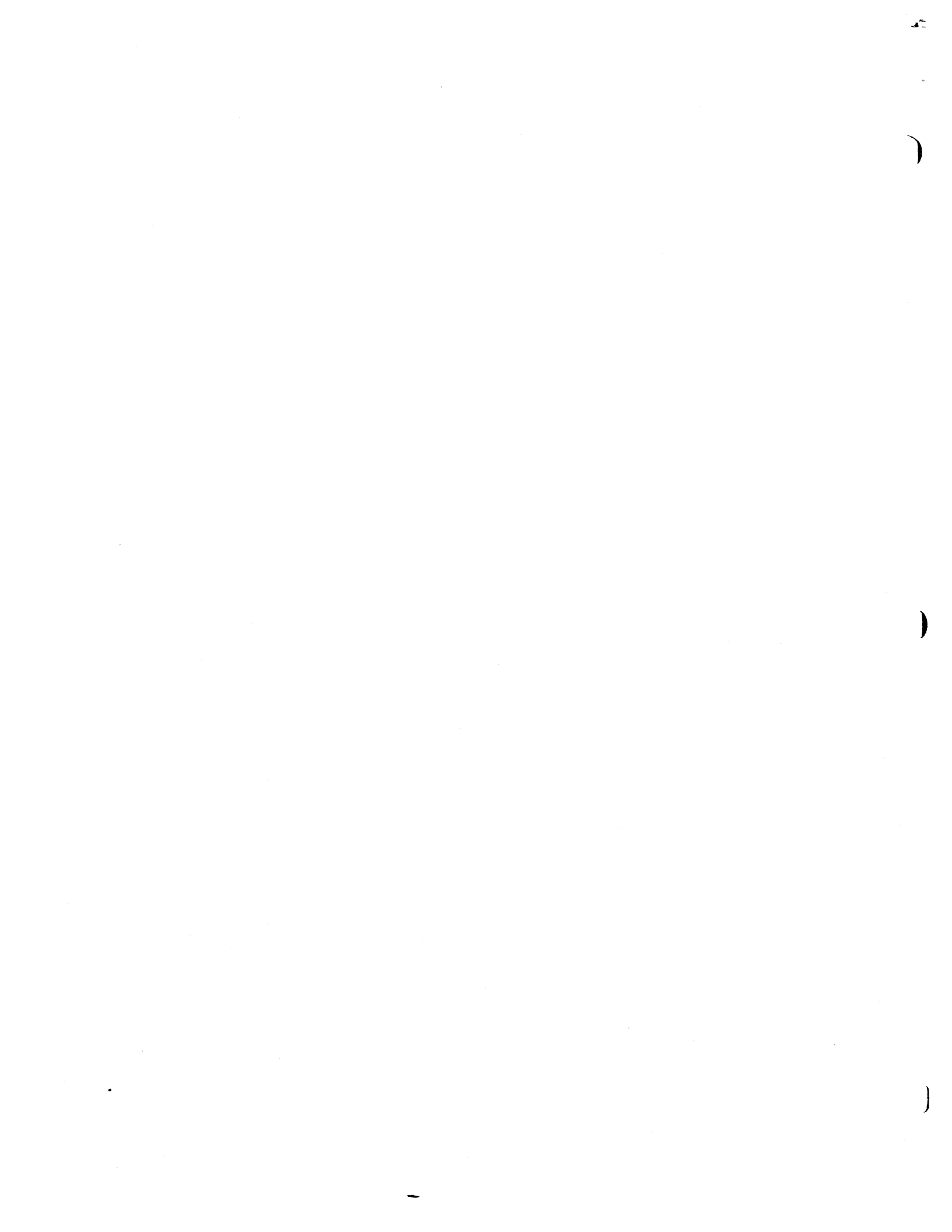
APPLICATION	194 CU.IN. L-6 230 CU.IN. L-6 RPO (L61)		283 CU.IN. V-8 283 CU.IN. V-8 RPO (L77)	
Type	Three pinion planetary unit integral with 3-speed synchronmesh transmission.			
Overdrive Ratio	0.7:1			
Overdrive Unit	Locked In	Locked Out	Locked In	Locked Out
Gear Ratios	First	2.06	2.94	1.81
	Second	1.18	1.68	1.04
	Third	0.70	1.00	0.70
	Reverse	2.06	2.94	1.81
Lockout Method	By manual "pull type" control or accelerator kickdown			
Lubricant Type	SAE 90 transmission or mineral oil			
Lubricant Capacity	Transmission	2 Pints		
	Overdrive	1 Pint		
	Total	3 Pints		

Automatic

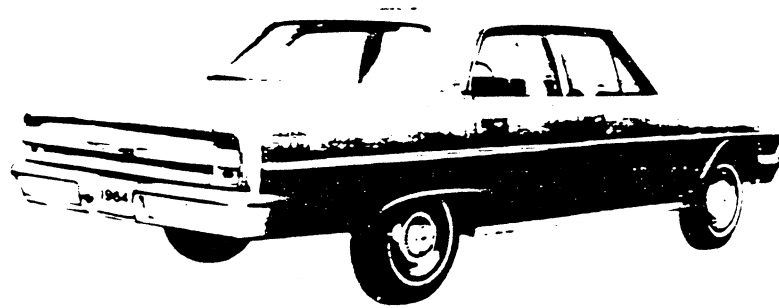
APPLICATION	194 CU.IN. L-6		230 CU.IN. L-6 RPO (L61) 283 CU.IN. V-8 283 CU.IN. V-8 RPO (L77)	
Make	Chevrolet Powerglide			
Type	Two-Speed Automatic			
Cooling	Air		Water *	
Range Selector Lever Location	Mounted on steering column			
Powerglide Converter Ratio	Maximum	1:1	Maximum	1:1
Torque Drive	2.40	1.00	2.10	1.00
Torque Low	4.37	1.82	3.82	1.82
Multiplication Reverse	4.37	1.82	3.82	1.82
Engine Starting	Selector lever in Neutral or Park			
Lubricant Capacity	Dry Refill	15 Pints		18 Pints §
	Refill	3 Pints		

* - 230 cu. in. is air cooled

§ - 230 cu. in. is 15 pints



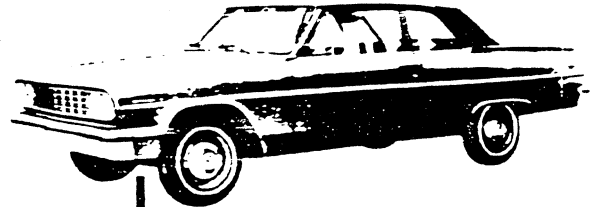
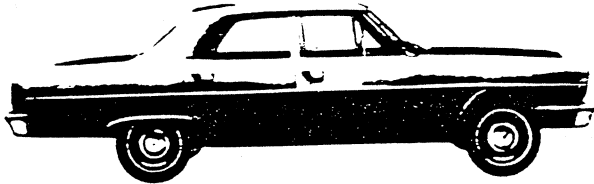
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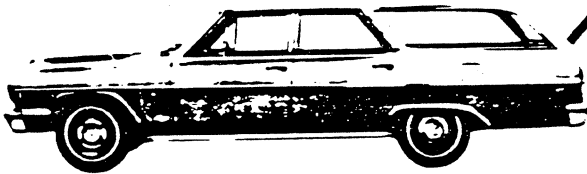
MODEL IDENTIFICATION

MODEL 53-5411 2-DOOR SEDAN, 6-PASSENGER
MODEL 53-5469 4-DOOR SEDAN, 6-PASSENGER
MODEL 53-5415 2-DOOR STATION WAGON, 2-SEAT
MODEL 53-5435 4-DOOR STATION WAGON, 2-SEAT
MODEL 53-5480 2-DOOR SEDAN PICKUP, 3-PASSENGER

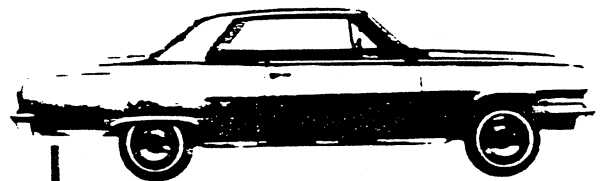


CHEVELLE 300

MALIBU

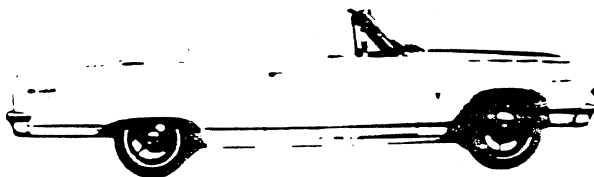


MODEL 55-5669 4-DOOR SEDAN, 6-PASSENGER
MODEL 55-5637 2-DOOR SPORT COUPE, 5-PASSENGER
MODEL 55-5667 2-DOOR CONVERTIBLE, 5-PASSENGER
MODEL 55-5635 4-DOOR STATION WAGON, 2-SEAT
MODEL 55-5645 4-DOOR STATION WAGON, 3-SEAT
MODEL 55-5680 2-DOOR SEDAN PICKUP, 3-PASSENGER



MODEL 57-5837 2-DOOR SPORT COUPE, 4-PASSENGER
MODEL 57-5867 2-DOOR CONVERTIBLE, 4-PASSENGER

MALIBU SUPER SPORT



SERIAL NUMBERS AND IDENTIFICATION

VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model Year	Model	Assembly Plant	Unit Number
1964		(Atlanta)	(25th unit)
4	5369	A	100025

Thus: The 25th model built at Atlanta would be serial number 45369A100025

8-Cylinder Example:

Model Year	Model	Assembly Plant	Unit Number
1964		(Atlanta)	(26th unit)
4	5469	A	100026

Thus: The 26th model built at Atlanta would be serial number 45469A100026

ASSEMBLY PLANTS

- A - Atlanta
- B - Baltimore
- L - Los Angeles
- H - Fremont
- K - Kansas City

Starting unit number ----- 100001 and up at each assembly plant
 Location ----- Stamped on plate attached to left front body hinge pillar



ENGINE IDENTIFICATION

Example: F1210E

Source Designation	Production* Month and Date	Type Designation
F (Flint)	1210	E

194 Cubic inch 6-cylinder

- G - Regular engine, 3-speed
- K - Regular engine, Powerglide

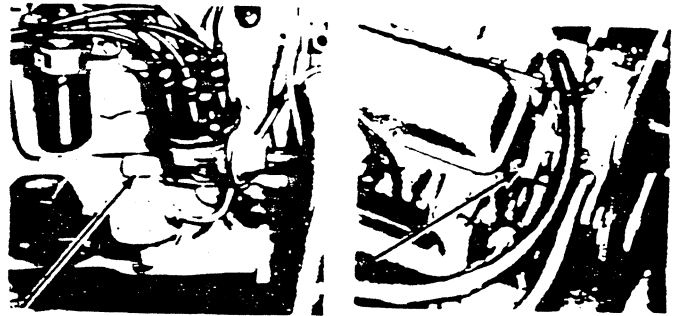
283 Cubic inch 8-cylinder

- J - Regular engine, 3-speed
- JD - Regular engine, Powerglide

* - Month: December, 12; 10th day of December, 10

6-Cylinder

8-Cylinder



Location:

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

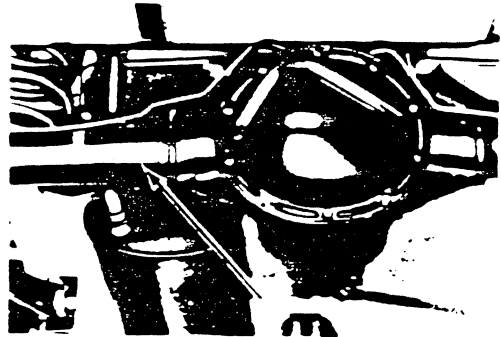
REAR AXLE IDENTIFICATION

Example: LA 0212

Source and Type Designation	Production* Month and Day
LA (Gear and Axle)	0212

- LA ----- 3.08:1 (Exc. 53-5500 Wagon-pickup)
- LB ----- 3.36:1 (53-5500 Wagon-pickup)

* - Month: February, 02; 12th day of February, 12



Location ----- Right side of differential carrier

REGULAR EQUIPMENT — EXTERIOR

		ITEM	MODELS
Bright Metal Trim & Moldings	Stainless Steel	Windshield reveal	All
		Rear window reveal	All exc. 55-56-57-5867
		Rear belt reveal	55-56-57-5867
		Roof drip gutter	53-54-55-56-57-5800 exc. Conv.
		Windshield beader and pillar	55-56-57-5867
		Front door key locks	All
		Door upper frame scarp	
		Windshield side pillar scarp	55-5680
		Pickup box edge and roof	53-54-55-5680
	Rear quarter lower rear	55-5680, 57-5800	
	Body rear cove reveal	All Sedans and Coupes	
	Dual headlight bezels	All	
	Taillight bezels		
	Radiator grille and opening moldings		
	Wheel openings	57-5800, 55-5680	
	Body side (Painted insert on Malibu)	53-54-55-5680	
	Kicker sill	55-56-57-5800; 53-5480	
	Back-up lamp cover plates	53-5411, 69	
	Back-up lamp bezels	55-56-57-5800 Sedans & Coupes	
	Rear cove trim panel		
	Front and rear bumpers	All	
	Hood lettering ("Chevrolet")		
	Door handles		
	Ventipane channel and post		
	Rear quarter series nameplate		
	Deck lid emblem or tailgate - plastic insert	All exc. 53-54-55-5680	
	Hub caps	All exc. 57-5800	
	Front fender engine emblem	All	
	Hood center	All exc. 53-5480	
	Tailgate window control	53-54-55-5635, 53-5415, 45	
	Wheel disks	57-5800	
	Ventipane frame	55-56-57-5837, 67	
	Quarter window channel		
	Tailgate ornament	53-54-55-5680	
	Deck lid emblem (SS)	57-5800	
	Deck lid or tailgate lettering ("Chevrolet")	All	
Front fender nameplate ("Chevelle")			
Tailgate window, manual	53-5415, 53-54-55-5635		
Tailgate window, power	53-5445		
Windshield wipers, dual single speed electric	All		
Folding top, counterbalanced manual	55-56-57-5867		
Back-up lamps	55-56-57-5800		

REGULAR EQUIPMENT-INTERIOR

ITEM	MODELS		
Instrument Panel	Instrument cluster bezel (bright)	All	
	Ash tray		
	Manual interior light switch (main switch)		
	Glove box door lock		
	Glove box lamp		55-56-57-5800
	Glove box door nameplate		55-56-57-5800, 53-5480
	Bright metal control knobs		All
	Clock		55-56-57-5800
	5-Position ignition switch (Acc-Lock-Off-On-Start)		All
	Cigarette lighter		
	Tailgate window control switch		55-5645
	Speedometer, odometer, fuel gauge		All
	Temperature, oil pressure, amps warning lights		53-54-55-5600
	Temperature, oil pressure, amps gauges		57-5800
Steering Wheel	Deep hub, dual solid spokes, horn ring	53-5400	
	Deep hub, dual solid spokes, horn ring - two-tone	55-56-57-5800	
Dome lamp	All exc. 55-56-57-5867		
Dual courtesy lamps	55-56-57-5867		
Automatic interior light switch	All		
Front door armrests			
Rear door or quarter armrests, with ashtrays	All exc. Sedan pickup		
Friction type front ventipanes	All		
Door locking knobs			
Door and window control handles - single arm	53-5400		
Door and window control handles - dual arm	55-56-57-5800		
Folding rear seat	Station wagons		
Folding third seat, rear facing	55-5645		
Dual sunshades, bright supports	All		
Coat hooks	All exc. 55-56-57-5867; Sedan pickup		
Rear view mirror back and support, painted	53-5400		
Rear view mirror back and support, bright	55-56-57-5800		
Front seat end panels	55-5680		
Seat adjuster handle, black plastic (bright on 57-5800)	All		
Door sill plates			
Tailgate window control switch	55-5645		
Side roof rail molding	55-56-57-5837		
Spare tire cover	Station wagons		
Tunnel mounted trim plate (Powerglide or 4-speed only)	57-5800		
Bucket seats and end panels	All		
Deluxe heater			
Seat belts			

REGULAR PRODUCTION OPTIONS

GROUP	ITEM	NUMBER	MODELS	
Engine	Engine, 283 V-8 high performance	L61	53-55-5700	
	Engine, 327 V-8 350 HP	L30		
	Engine, 327 V-8 high performance 300 HP	L74	54-56-5800	
	Engine, 327 V-8 high performance 365 HP	L76		
	Generator, Delco-tron 12-42 amp	K79	All	
	Generator, Delco-tron 5-55 amp	K77		
	Generator, Delco-tron 28-62 amp	K81		
	Carburetor, 4-barrel (283 V-8)	L77	54-56-5800	
	Clutch, heavy-duty	M01	53-55-5700	
	Fan drive, thermostatic	K02	54-56-5800	
	Regulator and ignition, transistor	K66		
	Radiator, heavy-duty	V01	All	
	Ventilation, closed engine positive (Type B)	K24		
	Transmission	Four speed, 4-speed close ratio - M21	M20	54-56-5800
Overdrive		M10	All	
Powerglide		M35		
Powerglide, oil-cooled		M55	53-55-5700	
Axle, limited slip		G80	All	
Chassis	Axle, rear (3.00:1)	G76	All exc. Wagons	
	Battery, heavy-duty	T60	All	
	Brakes, power	J50		
	Brakes, metallic	J65	5369	
	Chassis, heavy-duty	Z04		
	Cover, wheel trim	P01	All exc. 57-5800	
	Driven gear and timing, speedometer	Z12	All	
	Shock absorber, rear air lift	G66	All exc. Sedan Pickup	
	Special front and rear suspension	F40	All	
	Wire wheel cover (simulated)	P02		
	Steering, power	N40		
	Steering wheel, tilt type	N33		
	Steering wheel, wood-grained plastic	N34		
	Tires	5.5" x 14-4 DR whitewall rayon	P67	All exc. Wagon, Pickup
		5.5" x 14-4 DR blackwall nylon	P60	All
		5.5" x 14-4 DR whitewall rayon	P58	
		5.5" x 14-4 DR blackwall rayon	P65	
5.5" x 14-4 DR blackwall rayon		P57	All exc. Wagon, Pickup	

GROUP	ITEM	NUMBER	MODELS	
Chassis (Continued)	Tires	7.50 x 14-4 pr whitewall rayon	P62	
		7.50 x 14-4 pr whitewall nylon	P61	
		7.50 x 14-6 pr blackwall rayon	P63	
	Air conditioning all weather	IC60	All	
	Air conditioning Deluxe	IC65		
	Belt unit Custom Deluxe seat (retractor type)	A49		
	Belt unit seat (delete)	IA62		
	Body, heavy-duty	B01	5369	
	Comfort and Convenience	Inside and outside r/v mirror (a)		All
		2-speed wiper and washer	Z01-	
Glove box lamp		Z13		
Back-up lamp			53-5400	
Defogger and defroster, rear window	C30	All exc. Conv. & Wagons		
Glass, tinted	A01	All		
Front bumper guard	V31	All		
Rear bumper guard	V32	All exc. Wagons & Pickup		
Less heater	IC45	All		
Body	Luggage carrier, roof	V55	Station Wagons	
	Pad, instrument panel	B70		
	Radio, push button	UC63	All	
	Radio, manual	UC60		
	Radio and auxiliary rear speaker, push button	Z02	All exc. Conv.	
	Seat, split second	IA65	Station Wagons	
	Seat, 4-way electric front	IA41	53-54-55-5600 exc. sed. pickup	
	Tachometer	UI16	54-56-5800	
	Taxicab	BC2	5369	
	Top covers, folding	IC05		
	Top, electric folding	IC06	55-56-57-5867	
	Window, electric tailgate	IA33	2-seat Wagons	
	Windows, electric	IA31		
	Windshield glass, tinted	IA02	All	

(a) Remote control outside mirror in Z13.

DEALER INSTALLED ACCESSORIES

ITEM	MODELS
Alarm - Parking brake	All
Antenna - Front fender radio	All
Antenna - Rear fender radio	All except wagons and sedan pickup
Antenna - Rear fender dummy radio	All except wagons and sedan pickup
Belt - Custom Deluxe seat	All
Brake - Power	All
Cap - Gas tank filler locking	All
Carrier - Roof luggage	Station wagons
Clock - Instrument panel	53-5400
Conditioning - Air (Custom)	53-5400
Container - Litter	All
Cover - Front and rear cushion	Front-All; Rear-All exc. sta. wag.
Cover - Wheel trim	All
Cover - Luggage carrier	Station wagons
Deflector - Rain	All except sports models
Defogging Unit - Rear window	All except convertible and wagons
Dispenser - Tissue	All
Fan - Thermomodulated	54-56-5800
Frame - License plate	All
Guard - Bumper, front and rear	All except wagons
Guard - Rear body splash	Station wagons
Hitch - Trailer	All
Lamp - Back up	53-5400
Lamp - Courtesy	All exc. sport coupe, conv.
Lamp - Luggage compartment	All except wagons
Lamp - Portable spot	All
Lamp - Glove compartment	All
Lamp - Underhood	All
Lamp - Ash tray	All
Lock - Rear door safety	All except 4-door models
Mat - Front and rear floor full width	All
Mat - Front and rear floor Deluxe	All
Mirror - Outside rear view (door mount)	All
Mirror - Prismatic - Inside rear view	All
Mirror - Visor vanity	All
Mirror - Outside remote control	All
Molding, body sill	53-5400 exc. sed. pickup
Radio - Manual	All
Radio - Push button	All
Release - Rear compartment lid vacuum	All except wagons
Screen - Radiator insect	All
Speaker - Radio auxiliary	All exc. convertible
Switch - Traffic hazard flasher	All exc. convertible
Tool Kit	All
Washer - Windshield push button (single speed wipers)	All

TAXI CAB EQUIPMENT - RPO B02

MODEL APPLICATION:
4-Door Sedan - 5369

BODY EQUIPMENT

INTERIOR TRIM

Standard ----- Cloth/vinyl, fawn, aqua, or red
Optional ----- All vinyl, fawn

FLOORS

Covering
Front and Rear ----- Waterproof asphalt
impregnated paper felt, .125 minimum thickness.
Mats
Front and Rear ----- Black rubber (no spatter
design) .125 minimum thickness.

SEAT CUSHIONS AND BACKRESTS

Front and Rear ----- Heavy-duty
"S" wire springs, reinforced.

INSTRUMENT PANEL

Open-door red warning lamp
Location ----- Bright metal bracket
under instrument panel, left of steering column
Switch ----- All door jamba

DOOR JAMB SWITCH

Dome lamp operation ----- LH & RH rear doors

CHASSIS EQUIPMENT

SUSPENSION

Coil Springs & Shock Absorbers, Front & Rear
Type ----- Heavy-duty

WHEELS AND TIRES

Wheel Size ----- 14 x 5.00J
Tire type and size ----- Blackwall tubeless rayon,
7.50 x 14-4

BATTERY ----- Heavy-duty 61 amp hour, 11 plate

TRANSMISSION

Transmission (Powerglide) ----- Incorporates
3-plate heavy-duty clutch with high temperature oil
seals and water cooling.
Radiator (Powerglide) ----- Incorporates
transmission oil cooler

HEAVY DUTY CHASSIS AND BODY EQUIPMENT

MODEL APPLICATION:

4-Door Sedan - 5869

BODY EQUIPMENT (RPO 801)

INTERIOR TRIM

Standard ----- Cloth/vinyl, fawn, aqua, or red
Optional ----- All vinyl, fawn

FLOORS, FRONT AND REAR

Covering ----- Waterproof asphalt
impregnated paper felt, .125 minimum thickness.
Mats ----- Black rubber (no spatter
design), .125 minimum thickness.

SEAT CUSHIONS AND BACKRESTS

Construction, front and rear ----- Heavy-duty
"S" wire springs, reinforced.

CHASSIS EQUIPMENT (RPO Z04)

FRAME

Type ----- Heavy-duty with 2 extra frame to
body mount locations, heavier gauge front outer exten-
sions, and special reinforcement at front crossmember
to side member and lower control arm attachment.

SUSPENSION

Type ----- Heavy-duty front and rear coil springs
and shock absorbers.

Front and Rear Brakes

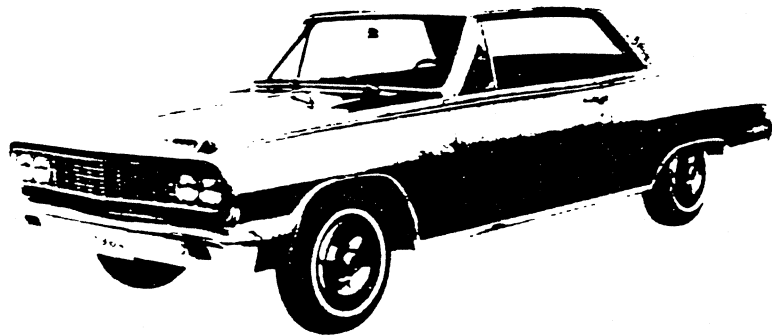
Type ----- Heavy-duty;
includes heavy-duty front brake drum webs and extra
thick brake facings.

POWER TRAIN EQUIPMENT (RPO Z04)

SIX-CYLINDER MODELS

Spark Plugs ----- AC46
Clutch ----- 10" heavy-duty
Transmission (Powerglide) ----- Incorporates
3-plate heavy-duty clutch with high temperature oil
seals and water cooling.
Radiator (Powerglide) ----- Incorporates
transmission oil cooler.
Battery ----- Heavy-duty 61 amp hour, 11 plate

DIMENSIONS AND WEIGHTS



INTERIOR DIMENSIONS 2

EXTERIOR DIMENSIONS 4

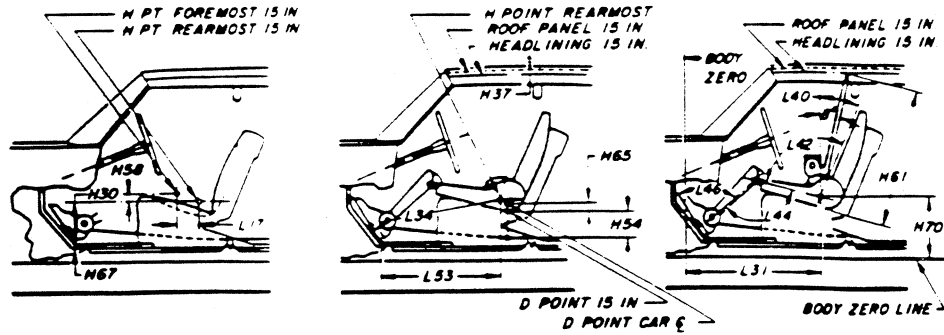
STATION WAGON THIRD SEAT DIMENSIONS 6

STATION WAGON CARGO AND SEDAN TRUNK SPACE 7

SEDAN DELIVERY EXTERIOR-INTERIOR DIMENSIONS 8

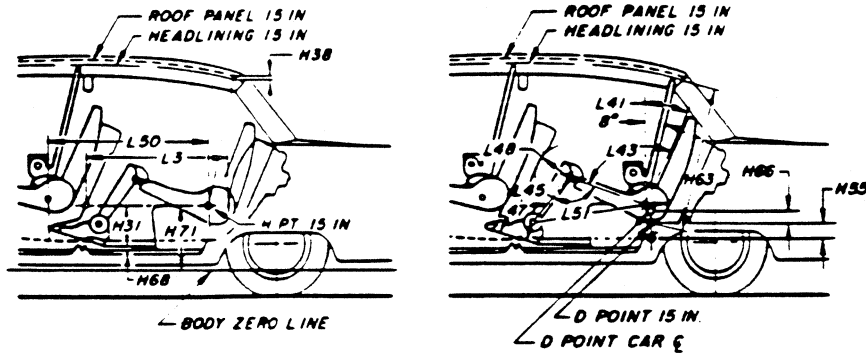
VEHICLE WEIGHTS 9

INTERIOR DIMENSIONS

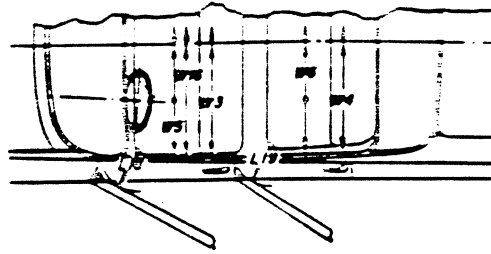
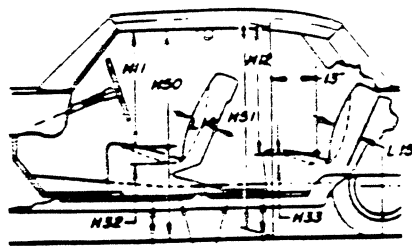


MODELS

CODE	DESCRIPTION	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	5637	5847	5667	5867	2-Dr.	4-Dr.	
L31	Body zero line to H point	42.1	42.0	41.9	42.0	41.9	42.1	41.9	41.9	41.9
H5	H point to ground	19.3	19.3	18.8	19.3	19.2	19.8	19.8	19.3	19.3
H61	Effective head room	38.6	38.1	37.9	38.7	38.6	38.2	38.2	38.2	38.7
H37	Headlining to roof height	.6	.5	---	---	---	.9	.7	.7	.7
L34	Maximum effective leg room - accelerator	42.0	41.9	41.8	41.9	41.8	42.1	41.8	41.8	41.8
H30	H point to heel point	8.3	8.2	8.2	8.3	8.3	8.3	8.3	8.0	8.0
H67	Depressed floor covering thickness	.2	.3	.5	.3	.5	.5	.5	.2	.2
L40	Back angle	26°	---	---	27°	---	26°	---	25°	25°
L42	Hip angle	98°	---	---	97°	---	98°	---	95.5°	95.5°
L44	Knee angle	129°	---	---	128°	---	130°	---	127°	127°
L46	Foot angle	88°	---	---	87°	---	86°	---	87°	87°
Hc5	H point differential, side to center	.2	---	---	---	---	.2	---	.1	.1
H54	H point to tunnel	1.7	---	---	1.7	---	1.7	---	1.4	1.4
L53	H point to accelerator floor point	34.4	34.2	34.2	34.2	34.2	34.4	34.4	34.1	34.1
L17	H point travel	---	---	---	4.0	---	---	---	---	3.4
H55	H point rise	---	---	---	.6	---	---	---	---	.5

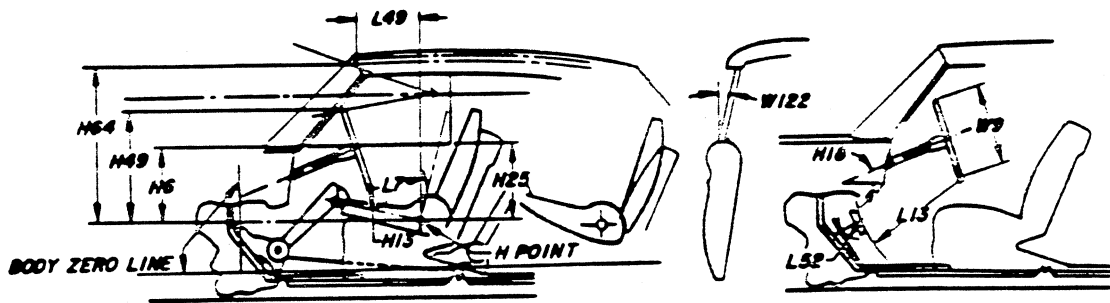


CODE	DESCRIPTION	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	5637	5847	5667	5867	2-Dr.	4-Dr.	
L50	H point couple distance	33.6	31.5	31.6	31.5	31.6	33.6	---	---	---
H10	H point to ground	19.2	19.0	18.8	19.0	19.0	19.8	---	---	---
H63	Effective head room	37.3	---	36.7	---	36.8	36.4	---	---	---
H35	Headlining to roof height	.6	.7	---	.7	---	.8	---	---	---
L51	Minimum effective leg room	35.9	36.3	---	33.2	---	36.1	---	---	---
H31	H point to heel point	10.8	---	---	10.4	---	10.8	---	---	---
H68	Depressed floor covering thickness	.4	---	---	.4	---	.4	---	---	---
L48	Minimum knee room	3.6	1.9	1.7	1.9	1.7	3.6	---	---	---
L3	Rear compartment room	27.1	25.3	25.1	25.1	24.9	27.2	---	---	---
L41	Back angle	27°	---	---	25°	---	24°	---	---	---
L43	Hip angle	88°	---	---	81.0°	81.5°	79.5°	80.0°	---	---
L45	Knee angle	94°	96°	---	82°	---	95°	---	---	---
L47	Foot angle	116°	117°	---	109°	---	116°	---	---	---
Hc6	H point differential, side to center	.7	---	---	1.2	---	.6	---	---	---
H55	H point to tunnel	1.9	---	---	1.7	---	1.9	---	---	---



SEAT AND ENTRANCE

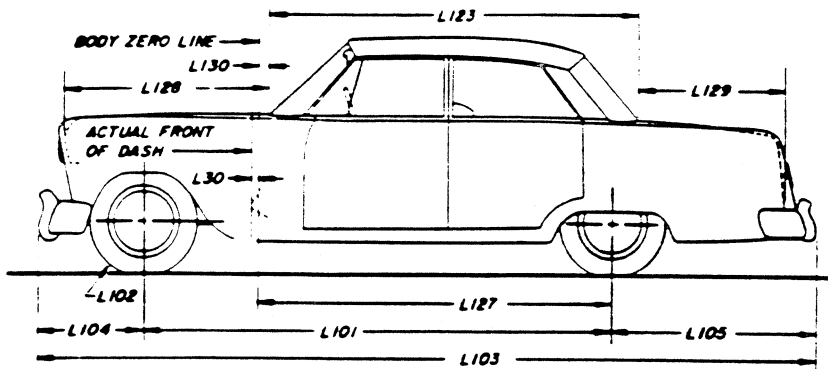
CODE	DESCRIPTION	MODELS								
		Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	5637	5847	5667	5867	2-Dr.	4-Dr.	Pickup
W1	Hat room	55.6		55.5	55.4	55.5	55.4	55.6		55.8
W3	Shoulder room					55.8				
W5	Hip room					59.9				
W16	Seat width	53.8		23.3	53.8	23.3		53.8		
H8	Seat chair height	11.0	11.3	10.9	11.3	10.9		11.1	11.0	
H50	Upper body opening to ground	49.2	49.6	49.3	49.7			49.6	49.4	
H11	Entrance height	29.9	30.4	30.2	30.4	30.3		29.9	29.9	
L18	Entrance - foot clearance	15.1		14.8	15.1	14.8		14.9		
H32	Seat cushion deflection	4.2	4.4	4.3	4.4	4.3		4.4	4.3	
L14	Thickest point of seat back at C/LC	5.9		6.4	5.9	6.4		5.9		
H26	Interior body height - at car C/L	41.2		40.9		40.9		41.1	40.9	
H27	Interior body height - at car C/LC	43.8		43.0	42.9	43.0		43.8	43.1	
W2	Hat room	52.2		51.7		48.4		54.2	52.2	
W4	Shoulder room	57.4	58.6	56.8		45.6		57.4	58.8	
W6	Hip room	58.7	59.8	58.7		48.6		58.7	59.8	
H5	Seat chair height	13.3			12.9			13.2		
H51	Upper body opening to ground		48.7					49.6		
H12	Entrance height		29.4					29.7		
H69	Exit height		28.5					29.7		
L10	Entrance - foot clearance	11.5	11.7	10.6		10.7		11.5	11.7	
H33	Seat cushion deflection	4.4			4.8			4.4		
L15	Thickest point of seat back, at C/LC	6.4		6.1		7.0		6.1		
H28	Interior body height - at car C/L	39.8		39.0		38.2		41.1		
H20	Interior body height - at C/LC	41.5		40.7		39.8		42.8		



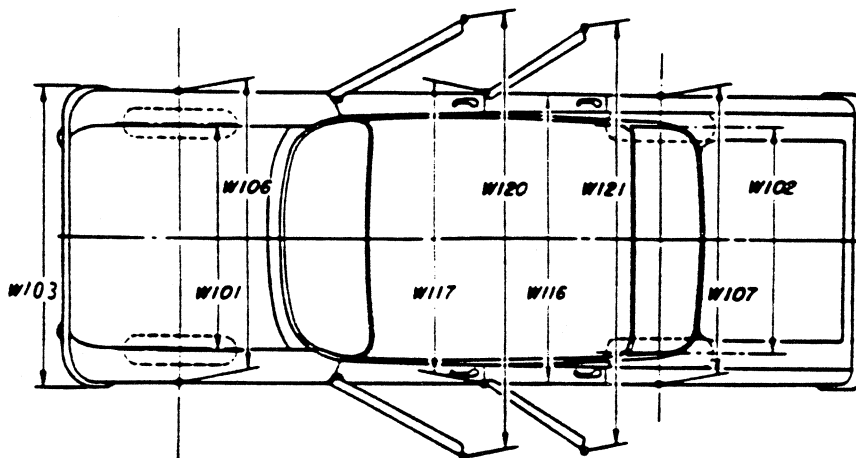
VISION CONTROL

CODE	DESCRIPTION	MODELS								
		Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	5637	5847	5667	5867	2-Dr.	4-Dr.	Pickup
H6	H point to windshield bottom	18.8		18.7	18.5	18.7		18.8		19.1
H64	H point to windshield upper DLC	30.9		30.7	31.0	30.9		30.9		31.2
L40	H point to windshield upper DLC	14.5	14.4	14.3	14.4	14.2		14.5	14.4	
H25	Belt height - front	17.1		17.0	17.1	17.0		17.1	17.4	
W7	Steering wheel center to C/L of car					15.2				
W9	Steering wheel outside diameter					16.5				
H18	Steering column angle - horizontal					19.5*				
H40	H point to top of steering wheel	23.2	23.1	23.0	23.1	23.0		23.1	23.4	
L7	Steering wheel torso clearance	11.1		11.0	11.1	11.0		11.4	11.2	
H19	Steering wheel thigh clearance	4.8	4.2	4.0	4.2	4.1		4.0	4.3	
L52	Brake pedal to accelerator	4.8	4.4	4.5	4.4	4.5		4.4		
W122	Tumble home			15*				17.9*	15*	

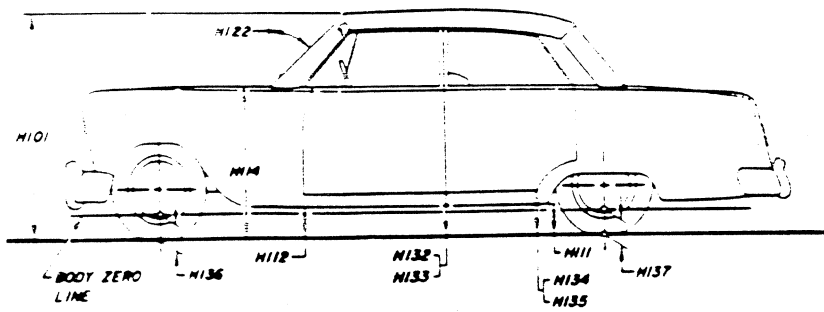
EXTERIOR DIMENSIONS



LENGTHS	CODE	DESCRIPTION	MODELS							
			Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup	
			2-Dr.	4-Dr.			2-Dr.	4-Dr.		
	L101	Wheelbase				115.0				
	L104	Overhang, front				30.8				
	L105	Overhang, rear			48.0			52.9		53.0
	L103	Overall length			197.0			198.8		198.8
	L125	Hood length at centerline				50.4				
	L123	Body upper structure length at car C/L	96.4		93.2			132.7		---
	L129	Deck length at centerline	38.1		41.4			42.3		---
	L127	Body O line to C/L of rear wheels				85.0				
	L130	Body O line to windshield cowl point				10.7				
	L102	Tire size			6.50 x 14			7.00 x 14		6.50 x 14
		Overall length - less bumpers				190.7				

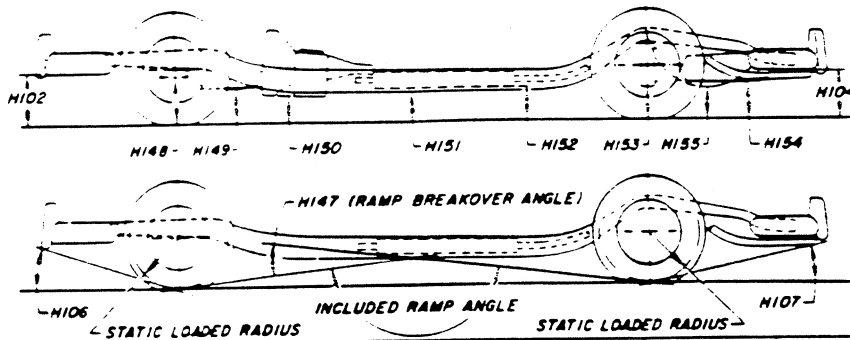


WIDTHS	CODE	DESCRIPTION	MODELS							
			Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup	
			2-Dr.	4-Dr.			2-Dr.	4-Dr.		
	W101	Tread - front				58.0				
	W102	Tread - rear				58.0				
	W103	Maximum overall width of car				74.6				
	W116	Maximum overall width of body				74.0				
	W117	Maximum body width at #2 pillar		71.8		---		---	71.8	---
	W106	Front fender overall width				72.4				
	W107	Rear fender overall width				73.8				
	W120	Maximum overall width, front doors open	151.5	133.0		151.5			133.9	151.5
	W121	Maximum overall width, rear doors open		133.0		---		---	133.9	---



CODE	DESCRIPTION	MODELS					
		Sedans		Sport Coupe	Convertible	Station wagon	
		2-Dr.	4-Dr.			2-Dr.	4-Dr.
H101	Overall height (Design)	54.5			54.0	54.1	
H114	Hood at rear to ground				36.8		
H112	Rocker panel to ground - front				5.5		
H111	Rocker panel to ground - rear				8.1		
H115	Step height - front (Design)	13.3			13.2	12.9	
H116	Step height - rear (Design)	---	13.1	---	---	---	13.0
H136	Step height - front (Curb)	15.3			15.2	15.6	
H131	Step height - rear (Curb)	---	15.1	---	---	---	15.0
H132	Bottom of door to ground open-front				11.4		
H133	Bottom of door to ground closed-front				11.2		
H134	Bottom of door to ground open-rear	---	10.9	---	---	---	10.8
H135	Bottom of door to ground closed-rear	---	11.0	---	---	---	11.0
H102	Front bumper to ground	13.5			13.4	12.7	
H104	Rear bumper to ground			13.5			10.3
H122	Windshield slope angle				48.8°		
H136	Body O line to ground - front				5.0		
H137	Body O line to ground - rear				5.0		
H125	Headlamp to ground			26.9			27.4
H126	Taillamp to ground			29.3			27.9
H158	Roof thickness	5.7		3.8	3.9		5.0
H159	DLO height	12.4		13.8	13.7		13.1
H160	Body thickness				27.7		
H301	Lift over height			22.8			
	Overall height (Curb)	55.4			54.9	55.8	

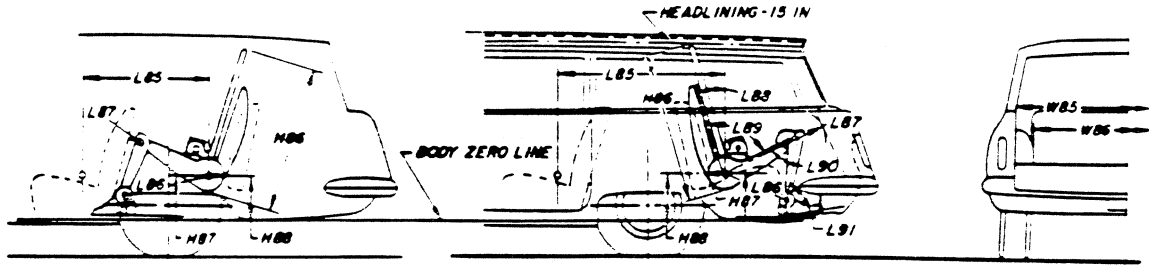
HEIGHTS



CODE	DESCRIPTION	MODELS					
		Sedans		Sport Coupe	Convertible	Station wagon	
		2-Dr.	4-Dr.			2-Dr.	4-Dr.
H106	Angle of approach			29.1°		30.0°	30°
H107	Angle of departure	15.6°			15.3°	12.4°	
H147	Ramp breakover angle				18°		
H148	Front suspension to ground			6.3		6.5	6.3
H149	Oil pan to ground			6.7		7.2	6.7
H150	Flywheel housing to ground			6.6		7.1	6.6
H151	Frame to ground			6.9		7.4	6.9
H152	Exhaust system to ground			6.0		6.5	6.0
H153	Rear axle to ground			7.0		7.5	7.0
H154	Fuel tank to ground			6.6		7.0	6.6
H155	Tire well to ground	---		---		---	---
H156	Minimum ground clearance			6.7		6.5	6.7

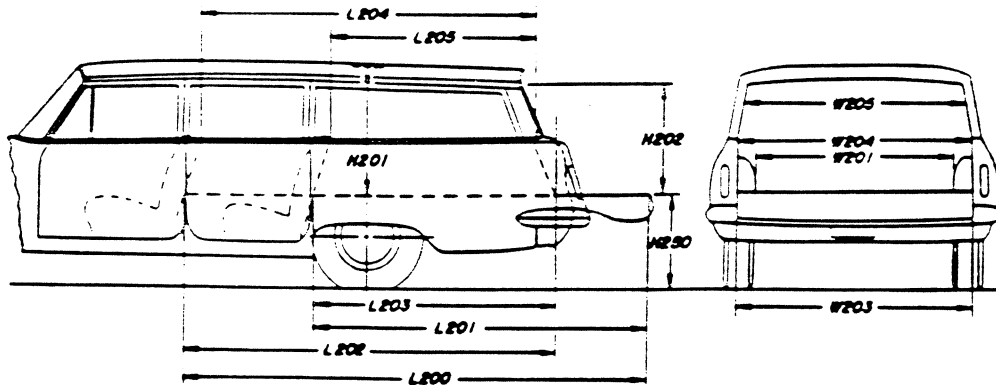
CLEARANCES

STATION WAGON THIRD SEAT



	CODE	DESCRIPTION	MODELS	
			5345	5445
THIRD SEAT	W85	Shoulder room		57.9
	W86	Hip room		36.7
	L85	H point couple distance		39.6
	H85	H point to ground		21.0
	H86	Effective head room		35.9
	L86	Effective leg room		30.8
	H87	H point to heel point		12.4
	L87	Knee room		10.1
	L88	Back angle		28°
	L89	Hip angle		87°
	L90	Knee angle		72°
L91	Foot angle		103°	

STATION WAGON CARGO AND SEDAN TRUNK SPACE



CARGO DIMENSIONS

CODE	DESCRIPTION	MODELS	
		2-Seat 5315-5335-5535	3-Seat 5545
L200	Maximum cargo length - front seat		116.6
L201	Maximum cargo length - second seat		83.6
L202	Cargo length at floor - front seat		92.1
L203	Cargo length at floor - second seat		59.1
L204	Cargo length at belt - front seat		50.5
L205	Cargo length at belt - second seat		46.5
L206	Cargo length at roof - front seat		70.0
L207	Cargo length at roof - second seat		35.6
W200	Cargo width - front		58.6
W201	Cargo width - wheelhouse		44.4
W203	Rear opening width at floor		55.3
W204	Opening width at belt		53.0
W205	Maximum rear opening width above belt		45.7
H201	Maximum cargo height		31.3
H202	Rear opening height		28.5
H250	Tailgate to ground height		20.4

CARGO CAPACITIES (CU. FT.)

5315	4-Door 2-Seat Wagon	Rear seat folded	86.0
5335		Rear seat erect	49.5
5535			
5545	4-Door 3-Seat Wagon	Rear and third seat folded	86.0
		Rear seat erect and third seat folded	49.5

TRUNK CAPACITIES (CU. FT.)

MODEL	OVERALL	STANDARD LUGGAGE
Sedans and Coupes	27.3	16.9
Convertible - Top up		
Convertible - Top down		

SEDAN PICKUP EXTERIOR-INTERIOR DIMENSIONS

EXTERIOR LENGTHS

DESCRIPTION	MODELS
	53-54-55-5680
Wheelbase	115.0
Overall length	198.6
Front overhang	30.8
Rear overhang	53.0

EXTERIOR HEIGHTS

Overall height	54.1
Rocker panel to ground - front	8.8
Front bumper height	12.7
Rear bumper height	10.3
Step height - front	12.9
Angle of approach	30
Angle of departure	12
Minimum ground clearance	6.1
Tailgate to ground	15.1

EXTERIOR WIDTHS

Front tread	58.0
Rear tread	58.0
Overall width	73.2
Tailgate width	59.6

INTERIOR LENGTHS

Maximum effective leg room - front	41.8
Entrance - foot clearance	14.9
Steering wheel torso clearance	11.2
Box length at floor - tailgate closed	78.5
Box length at floor - tailgate open	101.5
Box length at belt	73.5

INTERIOR HEIGHTS

Effective head room - front	38.7
Entrance height - front	29.9
Steering wheel thigh clearance	4.2
Box height - front	15.3
Box height - rear	14.8
Tailgate to ground	21.6
Wheelhouse height	9.5
Platform height - design	21.7
Platform height - curb	22.2

INTERIOR WIDTHS

Shoulder room - front	56.6
Hip room - front	59.9
Rear load floor width (between wheelhouses)	46.0
Box width at floor - front	59.8
Box width at belt - front	59.5
Tailgate opening at floor	55.5
Box width at floor - rear	64.8
Box width at belt - rear	58.5

VEHICLE WEIGHTS

CHEVELLE 300

VEHICLE TYPE		SHIPPING WEIGHT			CURB WEIGHT			DESIGN WEIGHT C		
Model	Description	Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
5311	2-Door Sedan 6-cylinder	1550	1275	2825	1550	1420	2970	1785	1935	3720
5311P		1560	1280	2840	1565	1425	2990	1800	1940	3740
5411	2-Door Sedan 8-cylinder	1655	1300	2955	1665	1445	3110	1900	1960	3860
5411P		1665	1300	2965	1675	1445	3120	1910	1965	3875
5315	2-Door Station Wagon 6-cylinder	1465	1585	3050	1465	1730	3195	1695	2250	3945
5315P		1475	1590	3065	1475	1735	3210	1710	2255	3965
5415	2-Door Station Wagon 8-cylinder	1555	1615	3170	1565	1765	3330	1795	2280	4075
5415P		1565	1620	3185	1575	1765	3340	1805	2285	4090
5335	4-Door Station Wagon 6-cylinder	1500	1630	3130	1520	1755	3275	1750	2275	4025
5335P		1515	1630	3145	1530	1760	3290	1765	2275	4040
5435	4-Door Station Wagon 6-cylinder	1595	1655	3250	1620	1790	3410	1850	2305	4155
5435P		1605	1660	3265	1630	1790	3420	1860	2310	4170
5369	4-Door Sedan 6-cylinder	1565	1285	2850	1565	1435	3000	1800	1950	3750
5369P		1575	1290	2865	1580	1435	3015	1815	1950	3765
5469	4-Door Sedan 8-cylinder	1670	1310	2980	1680	1455	3135	1915	1970	3885
5469P		1680	1315	2995	1690	1455	3145	1925	1975	3900

MALIBU

5535	4-Door Station Wagon 6-cylinder	1510	1630	3140	1505	1785	3290	1740	2300	4040
5535P		1520	1635	3155	1520	1785	3305	1755	2300	4055
5635	4-Door Station Wagon 8-cylinder	1600	1665	3265	1610	1810	3420	1840	2330	4170
5635P		1610	1665	3275	1620	1815	3435	1850	2330	4180
5537	2-Door Sport Coupe 6-cylinder	1540	1310	2850	1540	1455	2995	1825	1920	3745
5537P		1550	1315	2865	1555	1460	3015	1840	1925	3765
5637	2-Door Sport Coupe 8-cylinder	1635	1340	2975	1650	1480	3130	1930	1950	3880
5637P		1645	1340	2985	1660	1485	3145	1940	1950	3890
5545	4-Door Station Wagon 6-cylinder *	1525	1715	3240	1540	1850	3390	1810	2780	4590
5545P		1535	1720	3255	1555	1850	3405	1820	2785	4605
5645	4-Door Station Wagon 8-cylinder *	1615	1750	3365	1640	1880	3520	1910	2810	4720
5645P		1625	1750	3375	1650	1880	3530	1920	2815	4735
5567	2-Door Convertible 6-cylinder	1620	1375	2995	1620	1525	3145	1905	1990	3895
5567P		1630	1380	3010	1635	1525	3160	1915	1995	3910
5667	2-Door Convertible 8-cylinder	1715	1405	3120	1730	1550	3280	2015	2015	4030
5667P		1725	1405	3130	1740	1550	3290	2025	2020	4045
5569	4-Door Sedan 6-cylinder	1580	1290	2870	1580	1435	3015	1815	1950	3765
5569P		1590	1295	2885	1595	1440	3035	1830	1955	3785
5669	4-Door Sedan 8-cylinder	1675	1320	2995	1690	1460	3150	1925	1980	3905
5669P		1685	1320	3005	1700	1465	3165	1935	1980	3915

P - Powerglide
 * - 3-Seat

VEHICLE WEIGHTS —Cont'd.

MALIBU SUPER SPORT

VEHICLE TYPE		SHIPPING WEIGHT			CURB WEIGHT			DESIGN WEIGHT C		
Model	Description	Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
5737	2-Door Sport Coupe 6-cylinder	1555	1320	2875	1555	1470	3025	1765	1855	3620
5737P		1565	1325	2890	1570	1470	3040	1780	1860	3640
5837	2-Door Sport Coupe 6-cylinder	1650	1350	3000	1660	1495	3155	1870	1885	3755
5837P		1660	1350	3010	1670	1495	3165	1880	1885	3765
5767	2-Door Convertible 6-cylinder	1630	1390	3020	1635	1535	3170	1845	1925	3770
5767P		1645	1395	3040	1645	1535	3180	1855	1925	3780
5867	2-Door Convertible 8-cylinder	1730	1415	3145	1740	1560	3300	1950	1950	3900
5867P		1740	1415	3155	1750	1560	3310	1960	1950	3910

SEDAN PICKUP

5380	2-Door Sedan Pickup 6-cylinder	1640	1295	2935	1640	1440	3080	1750	2230	3980
5380P		1655	1295	2950	1655	1440	3095	1765	2230	3995
5480	2-Door Sedan Pickup 8-cylinder	1740	1315	3055	1750	1465	3215	1860	2250	4110
5480P		1750	1315	3065	1760	1465	3225	1870	2255	4125
5580	2-Door Sedan Pickup 6-cylinder	1640	1295	2935	1640	1440	3080	1750	2230	3980
5580P		1655	1295	2950	1655	1440	3095	1765	2230	3995
5680	2-Door Sedan Pickup 8-cylinder	1740	1315	3055	1750	1465	3215	1860	2250	4110
5680P		1750	1315	3065	1760	1465	3225	1870	2255	4125

P - Powerglide

SHIPPING WEIGHT: The weight of the basic vehicle with all regular equipment and with grease and oil where required. It does not include the weight of gasoline and water.

CURB WEIGHT: The weight of the empty vehicle ready to drive. It is the shipping weight plus the weights of gasoline and water. For the weight of gasoline add 122 pounds. For the weight of water add 24 pounds to the 6-cylinder models, 35 pounds to the 8-cylinder models.

DESIGN WEIGHT: The curb weight of the basic vehicle plus 150 pounds for each passenger (5-passengers, 2-front, 3-rear).

Example:

Model 5369 (5-passenger) ----- 3000 + 750 = 3750

PERFORMANCE WEIGHT: The curb weight of the lowest priced 4-door sedan with regular equipment plus 750 pounds of 5-passengers.

Example:

Model 5469 ----- 2980 + 750 = 3730

C - Based on passenger weight distribution of number of passengers in front and rear. For total loaded weight, add 150 pounds for each passenger in the designated passenger carrying capacity for the particular vehicle.

EXTERIOR PAINT PROCESS



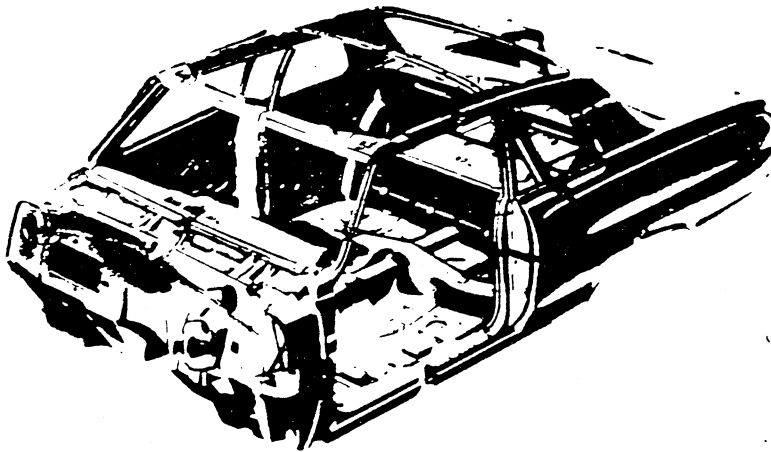
NINE STEP FINISHING PROCESS

1. **RUSTPROOFING . . .** Bare steel is thoroughly treated with chemicals that etch the metal for improved paint adhesion. This chemical also cleans the metal to give it a corrosion-resisting surface.
2. **BODY AND SHEET METAL PRIMER . . .** Four different and specially formulated corrosion resistant primers are used during sub-assembly of the body where rust could possibly develop. Areas considered especially critical are subsequently coated with another type rust inhibiting compound, after the lacquer coats have been applied.
A primer coat is applied to all outside and inside surfaces of the front fenders and hood. This is done by dipping or flowcoating to insure coating in all seams and secluded areas, and then baking at 390 degrees F for 30 minutes. After baking, a coat of sealer is applied to all surfaces requiring a subsequent coat of lacquer.
3. **PRIMER-SURFACER COAT AND FLASH PRIME COAT . . .** An air dried flash prime coat is applied to surfaces below the beltline. Next, a full primer-surfacer coat is applied to all outside surfaces of the body receiving lacquer and then oven baked for 45 minutes at 285 degrees F.
4. **SANDING . . .** Power wet sanding followed by hand sanding is done on all surfaces requiring lacquer.

Upon inspection, spot sanding assures an absolutely smooth surface for the lacquer. After lacquer application and initial baking, final wet sanding, both power and hand, prepares the body for final baking by removing surface irregularities.

5. **LACQUERING . . .** Many coats of acrylic lacquer are now sprayed on the surfaces to build up a finish of the required thickness for each color.
6. **INITIAL BAKING . . .** To set up the paint hardness for final sanding the body is baked for approximately 10 minutes at 200 degrees F.
7. **FINAL BAKING . . .** To assure a durable, hard, high luster finish the lacquer is now baked for 30 minutes at 275 degrees F. Reheating the lacquer after final sanding permits paint film to soften and allows surface blemishes and sanding scratches to disappear during the thermo-reflow process.
8. **UNDERCOATING . . .** An asphaltic based-asbestos fiber type sound deadener is sprayed inside the wheel housings and on the underside of the underbody at designated locations to block out road noises.
9. **PAINT REPAIR . . .** Any slight mars, nicks, or scratches that might occur during final assembly are factory-repaired and corrected before shipment. Light "slush" polishing is done to bring painted surfaces to a high luster finish. Wax is sprayed on each vehicle for protection during transit.

BODY



EXTERIOR PAINT PROCESS 2

EXTERIOR-INTERIOR COLOR COMBINATIONS 3

BODY GLASS 7

BODY CONSTRUCTION 8

EXTERIOR—INTERIOR COLOR COMBINATIONS



			INTERIOR TRIM COLORS AND RPO NUMBERS						
			Fawn	Aqua	Red	Fawn	Aqua	Red	Blue
			Model 5480			Models 5411-69-15-35			
RPO	Color	Sales Name	767	748	794	762	749	778	738
900	Black	Tuxedo Black	X	X	X	X	X	X	X
905	Med. Green	Meadow Green	X			X			
908	Dk. Green	Banana Green	X			X			
912	Med. Blue	Silver Blue	X						X
916	Dk. Blue	Davona Blue	X						X
918	Med. Aqua	Azure Aqua		X			X		
919	Dk. Aqua	Lagoon Aqua		X			X		
920	Med. Fawn	Almond Fawn	X			X			
922	Med. Red	Ember Red	X		X	X		X	
932	Lt. Saddle	Saddle Tan	X			X			
936	White	Ermine White	X	X	X	X	X	X	X
938	Beige	Desert Beige	X		X	X		X	
940	Silver	Satin Silver		X	X		X	X	X
943	Yellow	Goldwood Yellow							
948	Maroon	Palomar Red	X		X	X		X	
Two-Tone (Upper/Lower)									
952	Dk. Green/Med. Green					X			
954	White/Med. Green					X			
959	White/Med. Blue								X
960	Dk. Blue/Med. Blue								X
965	White/Dk. Aqua						X		
971	Beige/Lt. Saddle					X			
975	Beige/Med. Red					X		X	
982	Dk. Blue/Silver								X
988	Med. Aqua/White						X		
993	Beige/Maroon					X			
995	Silver/Maroon							X	

EXTERIOR—INTERIOR COLOR COMBINATIONS—Cont'd



			INTERIOR TRIM COLORS AND RPO NUMBERS							
			Fawn	Aqua	Red	Blue	Saddle	Fawn	Aqua	Red
			Models 5637-69					Model 5680		
			763	750	772	739	707	763	750	772
EXTERIOR			Models 5667-35-45					5680 bucket seat opt.		
RPO	Color	Sales Name	766	753	774	742	709	717	724	726
900	Black	Tuxedo Black	X	X	X	X	X	X	X	X
905	Med. Green	Meadow Green	X					X		
908	Dk. Green	Bahama Green	X				(a)	X		
912	Med. Blue	Silver Blue				X		X		
916	Dk. Blue	Daytona Blue				X		X		
918	Med. Aqua	Azure Aqua		X					X	
919	Dk. Aqua	Lagoon Aqua		X					X	
920	Med. Fawn	Almond Fawn	X				X	X		
922	Med. Red	Ember Red	X		X			X		X
932	Lt. Saddle	Saddle Tan	X				X	X		
936	White	Ermine White	X	X	X	X	X	X	X	X
938	Beige	Desert Beige	X		X		X	X		X
940	Silver	Satin Silver		X	X	X			X	X
943	Yellow	Goldwood Yellow								
948	Maroon	Palomar Red	(a)		X			X		X
Two-Tone (Upper/Lower)										
952	Dk. Green/Med. Green		X							
954	White/Med. Green		X							
959	White/Med. Blue					X				
960	Dk. Blue/Med. Blue					X				
965	White/Dk. Aqua			X						
971	Beige/Lt. Saddle		X				X			
975	Beige/Med. Red		(b)		X					
982	Dk. Blue/Silver					X				
988	Med. Aqua/White			X						
993	Beige/Maroon		X		(b)					
995	Silver/Maroon				X					

Convertible top: White (Reg. Prod.), black (RPO C05AA) or beige (RPO C05AB) with any exterior color.

(a) Models 5667-35-45 only.

(b) Models 5635-45 only.

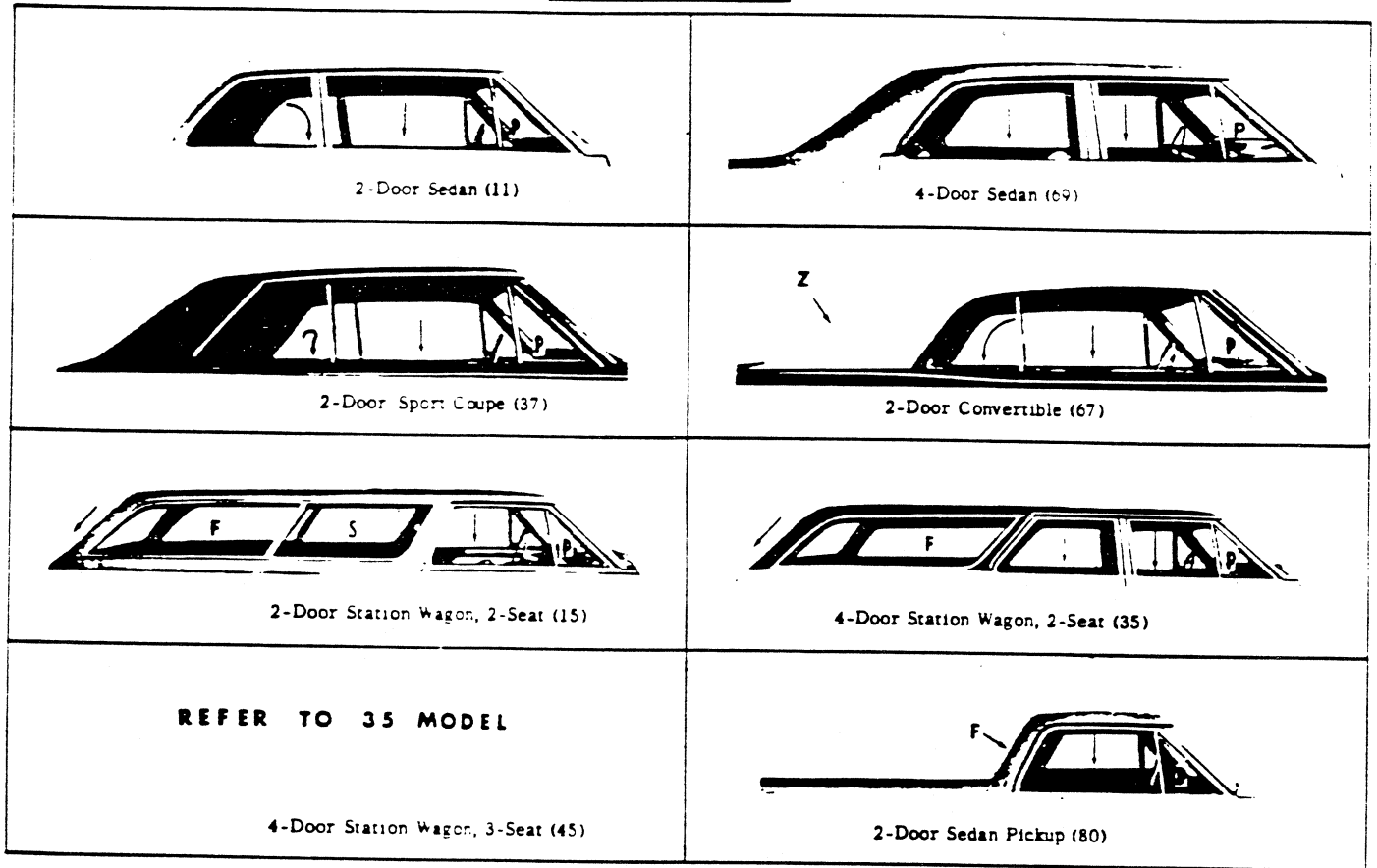
MALIBU SUPER SPORT SERIES

			INTERIOR TRIM COLORS AND RPO NUMBERS						
			Fawn	Aqua	Red	Blue	Saddle	Black	White
EXTERIOR			Models 5837-67						
RPO	Color	Sales Name	770	722	786	741	710	714	729
900	Black	Tuxedo Black	X	X	X	X	X	X	X
905	Med. Greer	Meadow Green	X					X	
908	Dk. Greer	Bahama Greer	X				X		
912	Med. Blue	Silver Blue				X			
916	Dk. Blue	Daytona Blue				X		X	
918	Med. Aqua	Azure Aqua		X					
919	Dk. Aqua	Lagoon Aqua		X				X	
920	Med. Fawn	Almond Fawn	X				X	X	
922	Med. Red	Ember Red	X		X			X	
932	Lt. Saddle	Saddle Tan	X				X		X
936	White	Ermine White	X	X	X	X	X	X	X
938	Beige	Desert Beige	X		X		X	X	
940	Silver	Satin Silver		X	X	X		X	X
943	Yellow	Goldwood Yellow						X	
946	Maroon	Palomar Red	X		X			X	X
Two-Tone (Upper-Lower)									
952	Dk. Greer/Med. Green							X	
954	White/Med. Green							X	
959	White/Med. Blue							X	
960	Dk. Blue/Med. Blue					X			
965	White/Dk. Aqua					X			
971	Beige/Lt. Saddle		X	X					
975	Beige/Med. Red		X		X		X		
982	Dk. Blue/Silver					X		X	X
988	Med. Aqua/White			X					
993	Beige/Maroon		X		X			X	
995	Silver/Maroon				X			X	X

Convertible top: White (Reg. Prod.), black (RPO C05AA) or beige (RPO C05AB) with any exterior color.
Instrument panel, steering wheel and carpet are red in white interior.

BODY GLASS

WINDOW ACTION

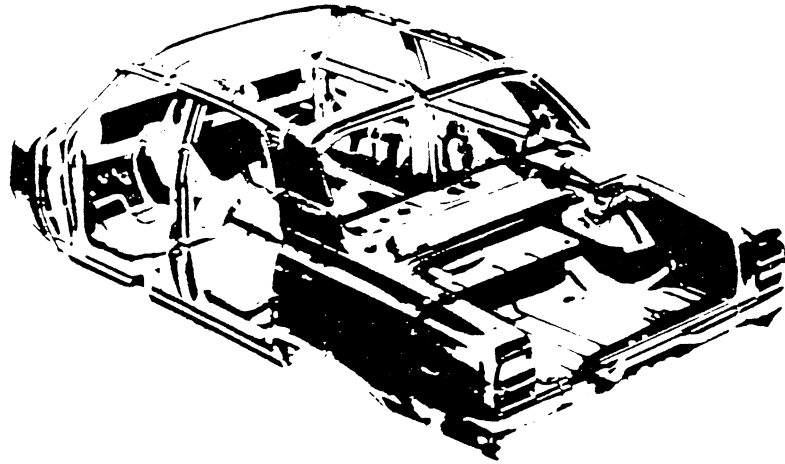


P - Pivoting, Friction
 F - Fixed
 S - Sliding
 Z - Zip Out
 Monkey Action
 Rotating

BODY GLASS TYPE AND VISIBILITY AREA

Location	11	69	37	67	15	35	45	80
Windshield	Laminated Safety Plate, Curved							
	1107.1							
Front Door	Ventipane	Safety Solid Plate						
		114.0						
Front Door	Window	Safety Solid Plate						
		819.2	534.6	845.6	838.4	729.4	534.6	725.2
Rear Door Window		Safety Solid Plate						
			707.6				716.8	
Rear Quarter	Window	Safety Solid Plate						
		473.7		436.0	329.0			
Rear Quarter	Rear Side	Safety Solid Plate						
					948.4	1195.2		
Back Window		Safety Solid Plate			Plastic	Safety Solid Plate		
		1632.3		897.7	786.2		768.4	665.2
Total Visibility (Sq. In.)	3546.3	3495.6	3400.4	3174.7	3667.3	4436.1		2611.5

BODY CONSTRUCTION



GENERAL

Type ----- Unisteel, with cowl, roof, underbody and body panels welded to form body shell. Doors, front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal.

DOORS AND LOCKS

Door construction ----- Double steel panels, hinged at front.
Door handles ----- Push-button with rotary type latches. Inside push button locks on all doors.
Door ventpanes ----- Friction pivot

HOOD AND TRUNK LID

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

VENTILATION

High level with double wall plenum chamber, providing washing and air drying of rocker panels for corrosion resistance. Air and water travel through rocker panels and drain at ends of rocker inner panels.

SEAT CONSTRUCTION

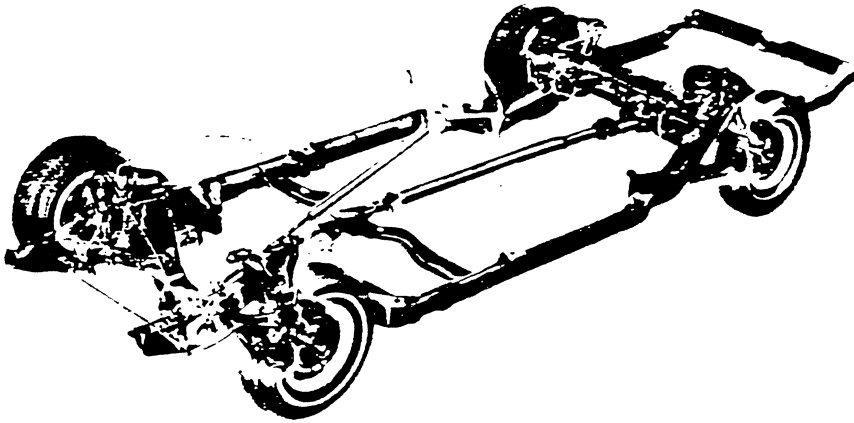
Type
Front seat cushion ----- 53-5400, 3/4 poly foam; 55-5600, 1-3/4 poly foam; 57-5800, formed foam rubber
Rear seat cushion ----- 53-5400, jute and cotton; 55-56-57-5800, 1" poly foam

WINDSHIELD WIPERS

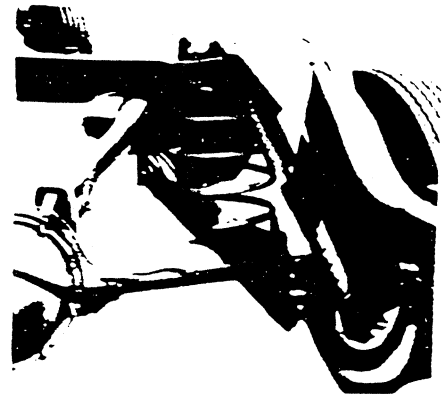
Type ----- Dual single speed electric
Linkage ----- Parallel acting

SPARE TIRE AND TOOLS

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



FRAME	2
FRONT SUSPENSION	2
FRONT SPRINGS	4
STEERING	5
DRIVELINES	6
REAR SUSPENSION	6
REAR SPRINGS	7
REAR AXLE	8
BRAKES	9
WHEELS AND TIRES	11
ELECTRICAL (LAMPS AND FUSES)	11



REAR SUSPENSION

FRAME

GENERAL

Description ----- All welded, full length, ladder type frame with 3 structural crossmembers, and 1 non-structural crossmember for engine rear mount.

Member shapes

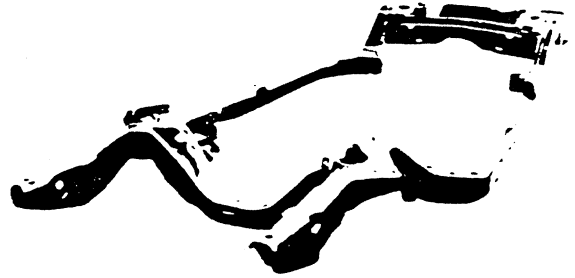
Front crossmember ----- Box-girder
 Front end side rails (at kickup) ----- Box
 Intermediate side rails
 Except convertible ----- C
 Convertible ----- Box
 Rear end side rails (at kickup) ----- Box
 Intermediate crossmember ----- Z
 Rear crossmember ----- C

Overall dimensions

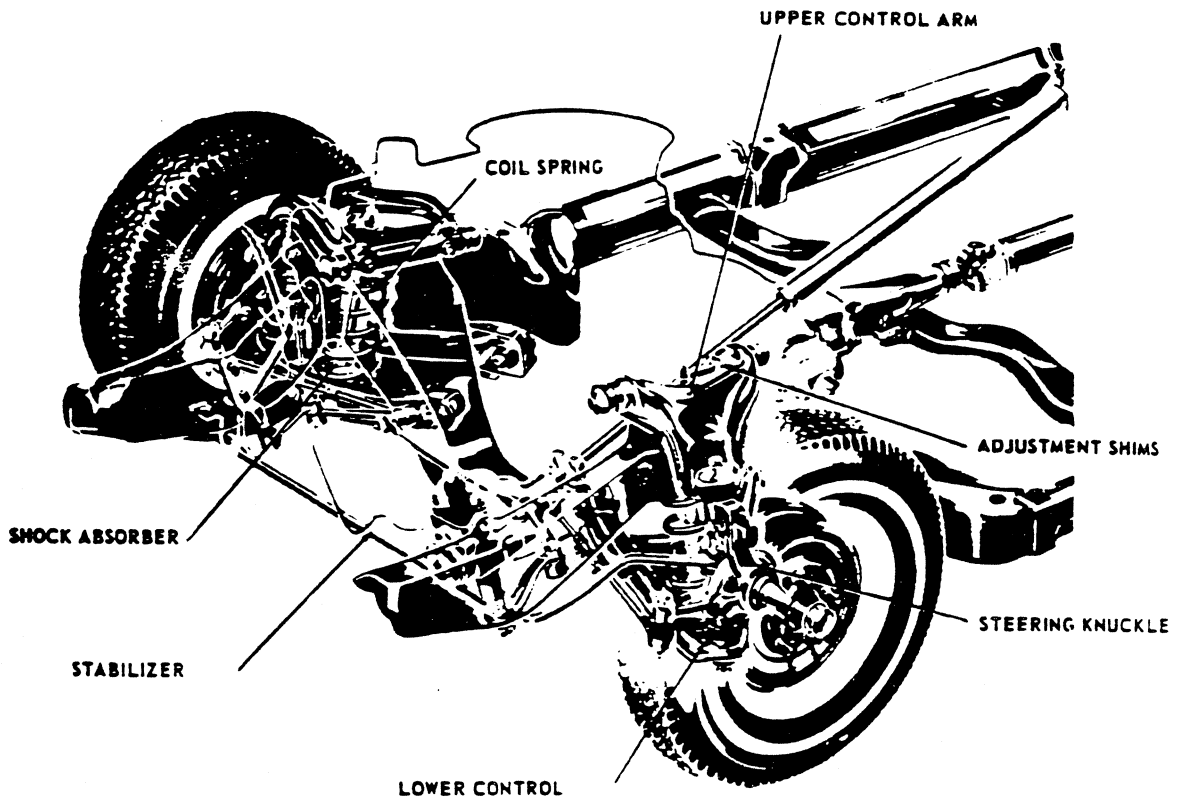
Length
 Except wagons ----- 182.3
 Wagons ----- 185.6
 Width ----- 56.5
 Height ----- 15.3

Mounting points

For body
 Except convertible ----- 10
 Convertible ----- 14
 For engine ----- 3



FRONT SUSPENSION



GENERAL

Description ----- independent, SLA Type
with coil spring and concentric shock absorber, and
spherically-jointed steering knuckle for each wheel.
Adjustments to front suspension achieved with shims
at upper control arm pivot shafts.
Wheel travel, from design attitude
Jounce ----- 4.47
Rebound ----- 4.10
Wheel to spring ratio ----- 1.85:1

CONTROL ARMS

Description
Upper and lower ----- Each is stamped A
frame rubber-bushed at pivots
Bushings
Type ----- Pre-loaded steel encased
rubber

STEERING KNUCKLES

Description ----- Forged steel with integral
brake cylinder mounting, and detachable steering
knuckle arm
Spindle diameters
At inner bearing ----- 1.2493-1.2498
At outer bearing ----- .7492-.7497
Spindle thread size ----- 3/4-20 NEF 3 (modified)

WHEEL BEARINGS

Type ----- Taper roller
Quantity ----- Two per spindle

SPHERICAL JOINTS

Type ----- Ball studs, upper self-adjusting for wear
Quantity ----- Two per steering knuckle

Bearing surfaces

Material:
Upper ----- Two bearings, both
non-metallic: upper surface teflon-coated phenolic;
lower surface teflon-cotton composition
Lower ----- One upper surface, a
teflon-cotton composition

Seals

Description
Upper ---- Reinforced neoprene secured by retainer
Lower ----- Neoprene secured by retainer
Lubrication
Upper and lower ----- High pressure grease fitting

SHOCK ABSORBERS

Type ----- Direct, double-acting, hydraulic
Secured (through coil spring) to ----- Lower control arm
and front end side rail bracket
Piston diameter and travel (unassembled) ---- 1.00, 5.90
Piston rod plating ----- Chrome

STABILIZER BAR

Type ----- Link
Material ----- HR steel
Diameter ----- .812
Bushing material ----- Natural or synthetic rubber
Application ----- All

FRONT WHEEL ALIGNMENT

Design
Camber (degrees) ----- P-1/2 to P-1-1/2
Caster (degrees) ----- P-1/2 to P-1-1/2
Toe-in, total ----- 0-1/8
● Curb
Camber (minutes) ----- N13 to P47
Caster (degrees) ----- N1-1 2 to N1 2
Toe-in, total ----- 1 16 to 3 16
Steering axis inclination (degrees) ----- 7-1 2 to 8-1 2

Continued on
page 4

FRONT SPRINGS

ENGINE	Regular production L-6 and V-8				Part Number and Reference
	3-Speed	Overdrive	4-Speed	Automatic	
5315, 5537, 5737			A		
5311, 5369, 5637, 5837			B		
5380, 5435, 5569, 5580, 5635			C		
5415, 5567, 5767			D		
5335, 5535			E		3851075 - A
5545			F		3856585 - B
5667, 5867			G		3843587 - C
5645			H		3856584 - D
5411			I		3849724 - E
5469, 5480, 5669, 5680			J		3851065 - F
					3843588 - G
ENGINE, RPO 6-	L61	L77	L30	L74	3850965 - H
3-Speed	X	X	X		3856586 - I
Overdrive	X	X			3843589 - J
Automatic	X	X	X	X	3859074 - K
4-Speed		X	X	X	3859075 - L
All	Same as regular production L-6 and V-8				
5411, 5867			J		
5469, 5669			K		
5415, 5637			C		
5667			I		
5435, 5837			L		

Type	Material	Cut-off length	Number of coils (active, total)	Wire diameter	Outside diameter	Pitch diameter	Heights		Deflection rate between 8.95 and 11.95 (lb per inch)	
							Free	Working (inches @ lb)	@ Spring	@ Wheel (wheel rate)
A	Right hand helix Steel alloy, heat treated and drawn	121.41	7.67, 9.00	.598	4.826	4.228	15.30	10.51 @ 1390	290	103.7
B		134.39	8.67, 10.00	.598	4.812	4.221	16.71	10.51 @ 1500	290	103.7
C		121.41	7.67, 9.00	.598	4.826	4.228	15.75	10.51 @ 1520	290	103.7
D		134.39	8.67, 10.00	.598	4.812	4.221	16.59	10.51 @ 1470	290	103.7
E		121.41	7.67, 9.00	.598	4.826	4.228	15.44	10.51 @ 1430	290	103.7
F		121.88	7.67, 9.00	.615	4.860	4.245	15.20	10.51 @ 1500	320	112.5
G		121.41	7.67, 9.00	.598	4.826	4.228	15.96	10.51 @ 1580	290	103.7
H		121.88	7.67, 9.00	.615	4.860	4.245	15.48	10.51 @ 1590	320	112.5
I		121.41	7.67, 9.00	.619	4.826	4.228	15.96	10.51 @ 1600	290	103.7
J		135.28	8.67, 10.00	.619	4.868	4.249	16.13	10.51 @ 1630	290	103.7
K		135.28	8.67, 10.00	.598	4.847	4.249	16.23	10.51 @ 1660	290	103.7
L		121.41	7.67, 9.00	.619	4.826	4.228	15.85	10.51 @ 1550	290	103.7

STEERING

GENERAL

Description ----- Semi-reversible, recirculating ball and nut steering gear. Manual steering standard; power optional. Tilt steering available with power steering, and with automatic or 4-speed transmissions only.

Steering gear
 Gear ratio
 Manual ----- 24.0:1
 Power ----- 17.5:1
 Overall ratio
 Manual ----- 28.0:1
 Power ----- 20.4:1

Turning characteristics
 Turning diameters (ft)
 Outside front
 Wall to wall, right and left ----- 44.7
 Curb to curb, right and left ----- 41.9
 Inside rear
 Wall to wall, right and left -----
 Curb to curb, right and left ----- 26.6
 Number of wheel turns, lock to lock
 Manual ----- 5.48
 Power ----- 3.98
 Outside wheel angle with inside wheel
 @ 20 degrees ----- 18.41

Steering shaft
 Construction ----- Single shaft
 Diameter ----- .75
 Steering wheel
 Type ----- Deep dished
 Diameter ----- 16.5

Linkage
 Type ----- Relay
 Location ----- Front of wheels
 Number of tie rod ----- 2
 Lubrication points ----- 4; one at each end of each tie rod

POWER STEERING, RPO 6-N40

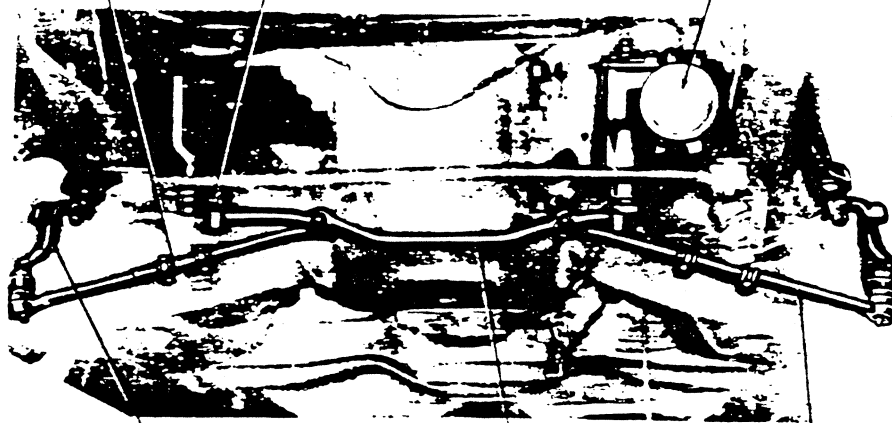
Description ----- Hydraulic: control valve integral and coaxial with steering gear

Drive
 Type ----- V-belt from crankshaft
 Pump pulley
 PD ----- 5.60
 V angle (degrees) ----- 36
 Width @ PD ----- .38
 Crankshaft pulley
 PD ----- 6.64
 V angle (degrees) ----- 36
 Width @ PD ----- .38
 Drive
 Belt
 Pitch line length
 Reg. prod. and optional L-6 engines ----- 49.5
 Reg. prod. and optional V-8 engines ----- 41.5
 Lubrication ----- None

AXLE TIE ROD SLEEVE

IDLER LEVER

STEERING GEAR



STEERING KNUCKLE ARM

RELAY ROD

TIE ROD

DRIVELINE

PROPELLER SHAFT

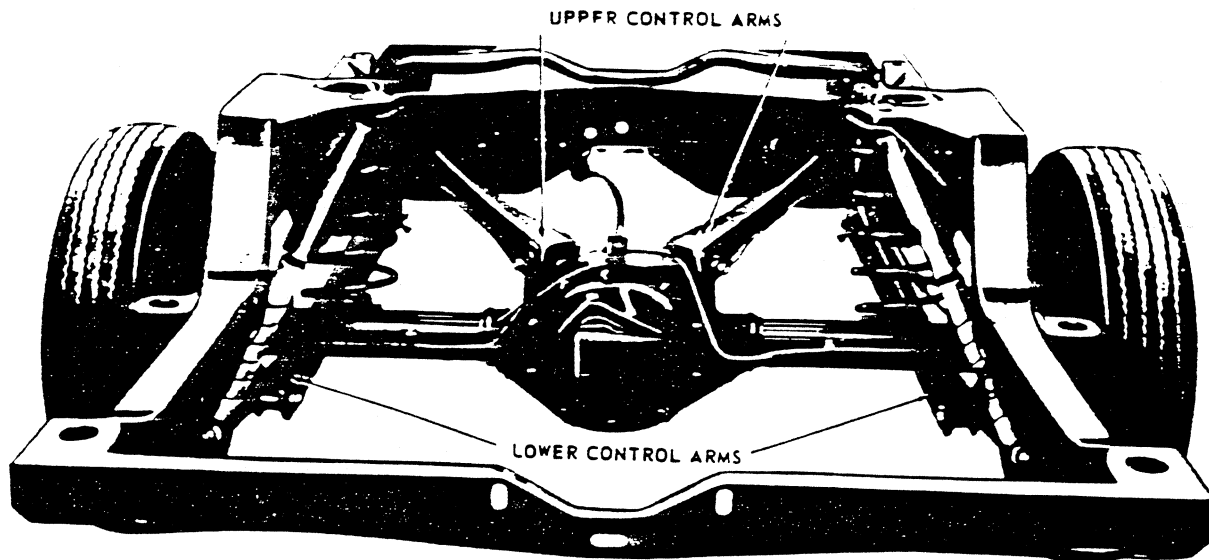
Type ----- Exposed, unsupported
 Quantity ----- 1
 Construction ----- internally reinforced welded
 steel tubing with welded-on yokes

● Tube

OD ----- 3.25
 Wall thickness ----- .065
 Length between axes of yoke bores ----- 60.137



REAR SUSPENSION



GENERAL

Type ----- Four-link; 2 crossmember-hinged upper
 and 2 frame-hinged lower control arms. Acceleration
 and braking forces taken thru control arms. Damping
 provided by coil spring and shock absorber for each
 wheel. Driveline alignment achieved with cam-bolt for
 securing each upper control arm to axle housing.

Wheel travel, from design attitude

Jounce ----- 4.25
 Rebound ----- 5.50
 Wheel to spring ratio ----- 1.053:1

SHOCK ABSORBER

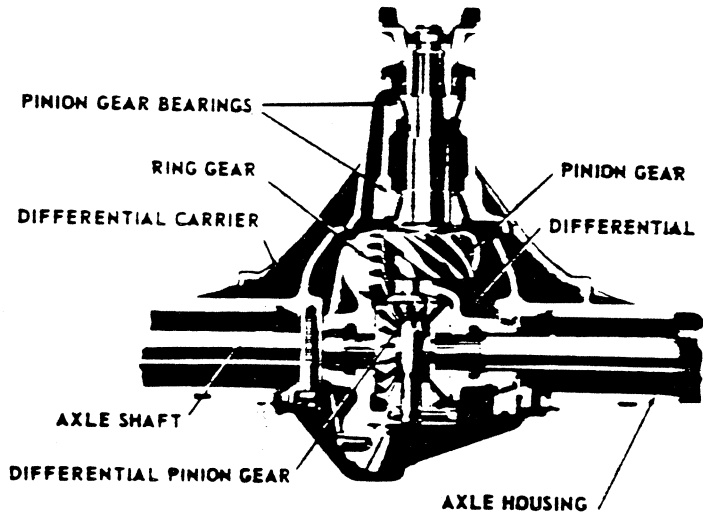
Type ----- Direct, double-acting, hydraulic
 Secured between ----- Spring bracket
 ----- lower control arm and axle housing bracket
 Piston dia and travel (unassembled) ----- 1.00, 8.80

REAR SPRINGS

ENGINE	REGULAR PRODUCTION L-6 AND V-8				Part number and reference
TRANSMISSION	3-Speed	Overdrive	4-Speed	Automatic	
5311,5369			A		
5537,5637,5737, 5837			B		
5411,5469,5567, 5569,5667,5669, 5767,5867			C		
5380,5480,5580, 5680			D		
5867			E	3857693-A	
5335,5415,5535			F	3856268-B	
5435,5635			G	3856590-C	
5545,5645			H	3843674-D	
				3843675-E	
ENGINE RPO e-	L61	L77	L30	L74	
3-Speed	X	X	X		3843676-F
Overdrive	X	X			3854082-G
Automatic	X	X	X	X	3848304-H
4-Speed		X	X	X	3859078-I
5411,5469,5667, 5669,5867	Same as regular production L-6 and V-8			I	
5637				A	

Type	Material	Cut-off length	Number of coils (active, total)	Wire diam.	Outside diam.	Pitch diam.	Heights		Deflection rate between 5.66 and 8.66 (lb per inch)	
							Free	Working (In. @ Lb.)	@ Spring	@ Wheel (wheel rate)
A	Steel alloy, heat treated and drawn	108.34	4.57, 5.695	.536	6.572	6.036	13.44	7.18 @ 720	115	110.5
B		108.34	4.57, 5.695	.536	6.572	6.036	13.27	7.18 @ 700	115	110.5
C		108.34	4.57, 5.695	.536	6.572	6.036	13.57	7.18 @ 735	115	110.5
D		103.95	4.327, 5.453	.545	6.590	6.045	13.72	7.18 @ 850	130	124.0
E		121.26	5.210, 6.337	.575	6.650	6.075	15.34	7.18 @ 1060	130	124.0
F		121.26	5.210, 6.337	.575	6.650	6.075	15.49	7.18 @ 1080	130	124.0
G		121.26	5.210, 6.337	.575	6.650	6.075	15.64	7.18 @ 1100	130	124.0
H		131.10	5.671, 6.801	.623	6.746	6.123	15.56	7.18 @ 1340	150	151.0
I		108.34	4.570, 5.695	.536	6.572	6.036	13.74	7.18 @ 755	115	110.5

REAR AXLE



GENERAL

- Type ----- Semi-floating; integral rear beam consisting of cast iron differential carrier with pressed-in tubular rear axle shaft housings.
- Lubricant
 - Type ----- Military MIL-L-2105-B
 - Viscosity ----- SAE 80
 - Filler plug ----- 5/8 sq. hd., 3 4-14 PTF SAE short
 - Capacity (pts) ----- 3.5
- Regular production ratios
 - 53-5500 series station wagons ----- 3.36:1
 - Balance ----- 3.08:1
- Differential carrier
 - Type ----- Hypoid gear with overhung pinion gear supported by two taper roller bearings
 - Offset ----- 1.50
 - Hypoid gear PD ----- 8.125
 - Pinion adjustment ----- Shim
 - Cover assemblage ----- Bolted to differential carrier

AXLE HOUSING

AXLE

- Type ----- Forged and hardened steel with integral drive flange
- Wheel bearings
 - Type ----- Single row cylindrical roller
 - Quantity ----- 1 per wheel
- Oil seal ----- Steel encased, spring loaded synthetic rubber

HYPOID AND PINION GEAR TOOTH COMBINATIONS

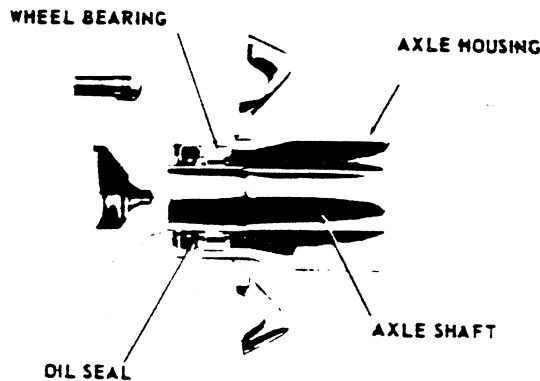
3.08:1 ratio	
Hypoid gear -----	37
Pinion gear -----	12
3.36:1	
Hypoid gear -----	37
Pinion gear -----	11

DIFFERENTIAL

- Type ----- Two-pinion in ArmaSteel housing supported by 2 taper roller bearings

POSITRACTION DIFFERENTIAL

- (for availability, see POWER TRAINS)
- Type ----- Two-pinion with dual disk clutches



BRAKES

SERVICE BRAKES - Regular Production

General

Type	Duo-servo 4-wheel hydraulic, reverse self-adjusting
Line pressure, psi, @ 100 lb pedal load	783
Braking ratios	
Pedal	6.15
Hydraulic	4.29
Overall	26.38
Distribution of braking effort (theoretical, percent)	
Front wheels	59
Rear wheels	41
Brake drum	
Construction	Composite, web cast into rim
Material	
Web	HR steel
Rim	Cast iron alloy
Web thickness	
Front	.094-.114
Rear	.094-.114
● Swept drum area, sq. inches	268.6
Diameter, front and rear	9.5
Brake lining	
Material	Full molded asbestos composition
Length	
Primary shoe, front and rear wheels	8.96
Secondary shoe, front and rear wheels	9.75
Width	
Front wheels, primary and secondary shoes	2.50
Rear wheels, primary and secondary shoes	2.00
Thickness, minimum @ centerline	
Primary shoes, front and rear wheels	.17
Secondary shoes, front and rear wheels	.20

Method of attachment	Bonded
Total effective area, sq. inches	168.3
Gross lining area, sq. inches	168.3
Master cylinder	
Location	Engine compartment on dash panel
Piston diameter	1.00
Piston travel (with available pedal travel)	1.09
Wheel cylinders	
Location	
Front	Steering knuckle
Rear	On backing plate
Piston diameter	
Front	1.125
Rear	.9375
Foot pedal	
Type	Pendant
Travel	6.70

PARKING BRAKE

Type	Mechanical; pulley-cable linkage secures rear service brakes
Total effective area, sq. inches	74.8
Control	Foot pedal apply, handle release; located below instrument panel to left of steering column

STOPLIGHT SWITCH

Type	Mechanical, make-break, normally on
Location	On dash panel brace
Activation	Brake pedal

Continued on
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SERVICE BRAKES, Metallic, RPO 6-J65

Same as Service Brake, Regular Production, except as follows

General

Line pressure, psi, @ 100 lb pedal load	-----	1023
Braking ratios		
Pedal	-----	6.15
Hydraulic	-----	5.60
Overall	-----	34.44
Brake lining		
Material	-----	Sintered iron
Size		
Front wheel segments		
Primary	-----	1.64 x 1.25 x .175
Secondary	-----	1.64 x 1.25 x .295
Rear wheel segments		
Primary	-----	1.64 x 1.00 x .175
Secondary	-----	1.64 x 1.00 x .295
Segments per shoe		
Primary, front and rear	-----	6
Secondary, front and rear	-----	10
Method of attachment	-----	Welded
Total effective area (sq.in.)	-----	118.1
Gross lining area (sq.in.)	-----	118.1
Master cylinder		
Piston diameter	-----	.875

POWER BRAKES, PRO 6-J50

same as service brakes, regular production, except as follows

General

Type	-----	Vacuum power unit added to assist regular production master cylinder
Pedal effort	-----	Approximately 30% less than regular production brakes at same deceleration rate
Braking ratios		
With regular production linings		
Pedal	-----	3.45
Hydraulic	-----	4.29
Overall	-----	14.80
With metallic linings		
Pedal	-----	3.45
Hydraulic	-----	5.60
Overall	-----	19.32
Master cylinder		
Piston travel (with foot pedal)	-----	1.16
Foot pedal		
Travel	-----	4.00

WHEELS AND TIRES

WHEELS, regular production

Type	-----	Short spoke spider
Attachment to hub	-----	5 hex nuts, 7/16-20 UNF-2B, arranged on a 4.75 dia bolt circle
Rim size	-----	14 x 5.0J
Offset	-----	1.00

TIRES, regular production

Type	-----	Rayon tubeless, blackwall
Construction	-----	2 ply
Size		
Except wagons and sedan pickups	----	6.50 x 14-4 PR
Wagons and sedan pickups	-----	7.00 x 14-4 PR
Specifications		
6.50 x 14-4 PR		
Loaded rolling radius	-----	12.4
Loaded rev/mi	-----	815
Capacity (lb @ psi)	-----	880 @ 24
Recommended inflation, psi (cold)		
Front	-----	24
Rear	-----	24
7.00 x 14-4 PR		
Loaded rolling radius	-----	12.35
Loaded rev/mi	-----	817
Capacity (lb @ psi)	-----	975 @ 24
Recommended inflation, psi (cold)		
Front	-----	24
Rear	-----	24 except wagons 28

ELECTRICAL

LAMP	NO. REQUIRED	TRADE NO.	CANDLE POWER PER LAMP
Ash tray	1	1445	1
Automatic trans. dial indicator	1	Except: 57-5800-1445 57-5800-1895	1
Back up	2	1156	2
Clock (56 and 5800 with tachometer)	1	1895	32
Courtesy			2
Instrument Panel	2	631	6
Seat separator	1	211	12
Direction signal indicators	2	1895	2
Dome	1	211	12
Generator indicator (except: 57-5800)	1	1895	2
Glove compartment	1	1895	2
Headlamp			
Outer	2	4002	High beam - 37.5W Low beam - 55.0W
Inner	2	4001	High beam - 37.5W
Headlamp hi-beam indicator	1	1895	2
Heater controls	1	1895	2
Instrument cluster	Except: 57-5800-4 57-5800-6	1895	2
License plate, rear	2	1155	4
Luggage compartment	1	1003	15
Oil pressure indicator (except: 57-5800)	1	1895	2
Parking brake alarm	1	257	2
Parking			
Park	2		4
Direction signal		1157	32
Radio	1	1893	2
Spot lamp			
Inside operated	1	4405	30W
Portable	1	4416	30W
Tail			
Tail			4
Stop	2	1157	32
Direction signal			32
Temperature indicator (except: 57-5800)	1	1895	2
Traffic hazard indicator	1	1445	1
Underhood	1	93	15

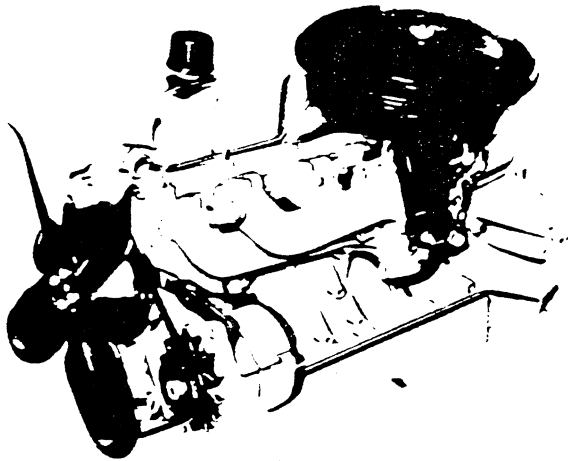
DEVICE PROTECTED	TYPE OF PROTECTION	LOCATION AND CIRCUIT
Air conditioning circuit	2 AGC 30 fuses	In line
Ash tray lamp	AGC 3 fuse	Fuse panel (f)
Automatic trans. dial indicator lamp	AGC 3 fuse	Fuse panel (c)
Back up lamps	AGC 10 fuse	Fuse panel (c)
Cigarette lighter	AGC 15 fuse	Fuse panel (d)
Clock	AGC 15 fuse	Fuse panel (b)
Clock lamp (with tachometer)	AGC 3 fuse	Fuse panel (b)
Courtesy lamps	AGC 15 fuse	Fuse panel (c)
Defogging circuit	AGC 10 fuse	Fuse panel (b)
Direction signal indicator lamps	AGC 10 fuse	Fuse panel (f)
Dome lamp	AGC 3 fuse	Fuse panel (c)
Folding top motor	AGC 15 fuse	Fuse panel (b)
Fuel gage	40 amp CB	Hinge pillar (h)
Generator indicator lamp	AGC 10 fuse	Fuse panel (d)
Glove compartment lamp	AGC 10 fuse	Fuse panel (d)
Headlamps	AGC 15 fuse	Fuse panel (b)
Headlamps hi-beam indicator lamp	15 amp CB	Fuse panel (a)
Heater	15 amp CB	Light switch (a)
Heater controls lamp	AGC 10 fuse	Fuse panel (f)
Instrument cluster lamps	AGC 3 fuse	Fuse panel (c)
License plate lamps, rear	AGC 3 fuse	Fuse panel (c)
Luggage compartment lamp	AGC 15 fuse	Fuse panel (b)
Oil indicator lamp	AGC 15 fuse	Fuse panel (b)
Overdrive solenoid	AGC 10 fuse	Fuse panel (d)
Parking brake alarm	AGC 15 fuse	Fuse panel (d)
Parking lamps	AGC 10 fuse	In line
	15 amp CB	Fuse panel (d)
		Light switch (a)

* - LETTER SUFFIX INDICATES SAME CIRCUIT ●

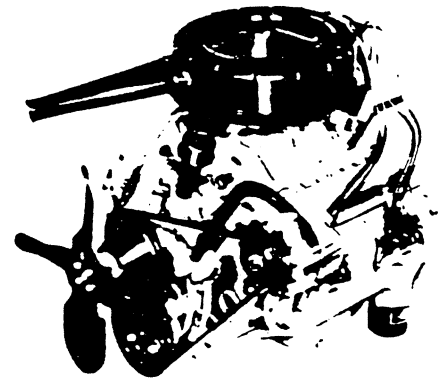
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DEVICE PROTECTED	TYPE OF PROTECTION	LOCATION AND CIRCUIT *
Power seats	40 amp CB	Hinge pillar (i)
Power windows	40 amp CB	Hinge pillar (j)
Radio and radio lamp	AGC 2.5 fuse	Fuse panel (e)
Spotlamp		
Inside operated	AGC 15 fuse	Fuse panel (b)
Portable	AGC 15 fuse	Fuse panel (b)
Stop lamps	AGC 15 fuse	Fuse panel (b)
Tachometer	AGC 10 fuse	Fuse panel (d)
Tail lamps	AGC 15 fuse	Fuse panel (b)
Tailgate motor	40 amp CB	
Temperature indicator lamp	AGC 10 fuse	Fuse panel (d)
Traffic hazard indicator lamp	AGC 15 fuse	Fuse panel (b)
Underhood lamp	SAE 4 fuse	In line
Windshield wiper (single speed)	SAE 20 fuse	Fuse panel (g)
Windshield wiper (two-speed)	SAE 20 fuse	Fuse panel (g)
	14 amp CB	Motor switch (k)

* - LETTER SUFFIX INDICATES SAME CIRCUIT ●



POWER TRAINS



- POWER TEAM COMBINATIONS 2
- HI-THRIFT 194 SIX CYLINDER ENGINE 3
- TURBO-THRIFT 230 SIX CYLINDER ENGINE 6
- TURBO-FIRE 283 V-8 ENGINE 9
- TURBO-FIRE 327 V-8 ENGINE 15
- CLUTCHES 20
- THREE AND FOUR SPEED TRANSMISSION 21
- OVERDRIVE UNIT 22
- POWERGLIDE 23

POWER TEAM COMBINATIONS

ENGINE	EQUIPMENT	TRANSMISSION	AXLE RATIOS*	
			GENERAL PURPOSE STANDARD	SPECIAL PURPOSE OR MOUNTAIN
194 CUBIC INCH L-6 HI-THRIFT 194 120 HORSEPOWER	SINGLE BARREL CARBURETOR HYDRAULIC LIFTERS	3-SPEED AND POWERGLIDE SEDANS AND COUPES CONVERTIBLES STATION WAGONS OVERDRIVE	3.08:1	3.36:1
			3.08:1	3.36:1
			3.36:1	
			3.70:1	
230 CUBIC INCH L-6 TURBO-THRIFT 230 155 HORSEPOWER RPO L61	LARGE SINGLE BARREL CARBURETOR SPECIAL CAM HYDRAULIC LIFTERS	3-SPEED AND POWERGLIDE SEDANS AND COUPES CONVERTIBLES STATION WAGONS OVERDRIVE	3.08:1	3.36:1
			3.08:1	3.36:1
			3.36:1	
			3.70:1	
283 CUBIC INCH V-8 TURBO-FIRE 283 195 HORSEPOWER	2-BARREL CARBURETOR HYDRAULIC LIFTERS	ALL MODELS 3-SPEED 4-SPEED POWERGLIDE OVERDRIVE	3.08:1	3.36:1
			3.08:1	
			3.08:1	
			3.70:1	
283 CUBIC INCH V-8 TURBO-FIRE 283 220 HORSEPOWER RPO L77	4-BARREL CARBURETOR HYDRAULIC LIFTERS	ALL MODELS 3-SPEED 4-SPEED POWERGLIDE OVERDRIVE	3.08:1	3.36:1
			3.08:1	
			3.08:1	
			3.70:1	
● 327 CUBIC INCH V-8 TURBO-FIRE 327 250 HORSEPOWER RPO L30	4-BARREL CARBURETOR HYDRAULIC LIFTERS	ALL MODELS 3-SPEED 4-SPEED POWERGLIDE	3.08:1	
			3.08:1	
			3.08:1	
● 327 CUBIC INCH V-8 TURBO-FIRE 327 300 HORSEPOWER RPO L74	LARGE 4-BARREL ALUM CARBURETOR HYDRAULIC LIFTERS	ALL MODELS 4-SPEED POWERGLIDE	3.08:1	
			3.08:1	

* - POSITRACTION AXLE RATIOS AVAILABLE IN COMBINATIONS SHOWN.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	CARBU-RETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO	MAXIMUM AXLE TORQUE LOW GEAR (LB-FT)#	
			1st	2nd	3rd	4th	Rev			
120 HP Hi-Thrift Six-Cyl	Single Barrel	3-Speed	9.06	5.17	3.08		9.06	3.08:1	1193	
		Overdrive	Out	10.88	6.22	3.70		10.88	3.70:1	1429
			In	7.61	4.35	2.59			3.70:1	1003
155 HP Turbo-Thrift Six-Cyl	Single Barrel	3-Speed	9.06	5.17	3.08		9.06	3.08:1		
		Overdrive	Out	10.88	6.22	3.70		10.88	3.70:1	
			In	7.61	4.35	2.59			3.70:1	
195 HP Turbo-Fire V-8	2-Barrel	3-Speed	7.95	4.56	3.08		7.95	3.08:1	1655	
		Overdrive	Out	9.55	5.48	3.70		9.55	3.70:1	1988
			In	6.68	3.83	2.59			3.70:1	1392
		4-Speed	7.88	5.88	4.56	3.08	8.13	3.08:1	1642	
220 HP Turbo-Fire V-8	4-Barrel	3-Speed	7.95	4.56	3.08		7.95	3.08:1		
		Overdrive	Out	9.55	5.48	3.70		9.55	3.70:1	
			In	6.68	3.83	2.59			3.70:1	
4-Speed	7.88	5.88	4.56	3.08	8.13	3.08:1				
250 HP Turbo-Fire V-8	Large 4-Barrel	3-Speed	7.95	4.56	3.08		7.95	3.08:1	2128	
		4-Speed	7.88	5.88	4.56	3.08	8.13	3.08:1	2111	
300 HP Turbo-Fire V-8	Large Alum. 4-Barrel	4-Speed	7.88	5.88	4.56	3.08	8.13	3.08:1		

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
120 HP Hi-Thrift Six-Cylinder	Powerglide	Drive Low & Reverse	13.46:1 - 3.08:1 13.46:1 - 5.61:1	3.08:1
155 HP Turbo-Thrift Six-Cylinder	Powerglide	Drive Low & Reverse	13.46:1 - 3.08:1 13.46:1 - 5.61:1	3.08:1
195 HP Turbo-Fire V-8	Powerglide	Drive Low & Reverse	11.77:1 - 3.08:1 11.77:1 - 5.61:1	3.08:1
220 HP Turbo-Fire V-8	Powerglide	Drive Low & Reverse	11.77:1 - 3.08:1 11.77:1 - 5.61:1	3.08:1
250 HP Turbo-Fire V-8	Powerglide	Drive Low & Reverse	11.40:1 - 3.08:1 11.40:1 - 5.42:1	3.08:1
300 HP Turbo-Fire V-8	Powerglide	Drive Low & Reverse	11.40:1 - 3.08:1 11.40:1 - 5.40:1	3.08:1

* - Axle ratio x transmission ratio.

- Gear reduction x maximum net engine torque x efficiency factor (0.90 in direct drive, 0.85 all others).

194 CUBIC INCH SIX CYLINDER ENGINE

GENERAL DATA

Piston Displacement (Cu. In.)	Synchromesh	Overdrive	Powerglide
Type	194		
Number Cylinder	Valve-in-head		
Bore and Stroke (nominal)	6		
Compression Ratio	3.563 x 3.25		
Taxable (SAE) Horsepower	8.5:1		
Firing Order	30.5		
Idling Speed (RPM)	1-5-3-6-2-4		
Compression Press. (PSI) @ Cranking Speed, Engine Hot	500 in neutral	500 in drive	
Lubrication	140		
Power Plant Mounting	Full pressure		
	Two at center, combination compression & shear type; one rear, full shear type		
Measurements	Fan to rear of engine block	33.09	
	Top of oil filter to bottom of oil pan	26.55	
	Oil filter to air cleaner (width)	28.37	

ADVERTISED ENGINE RATINGS

Engine	Hi-Thrift 194		
Carburetor	Single Barrel		
Brake Horsepower	Gross	120 @ 4400 RPM	
	Net	95 @ 4000 RPM	
Torque (Lb-Ft)	Gross	177 @ 2400 RPM	
	Net	155 @ 2000 RPM	

ENGINE SPEED AND PISTON TRAVEL

Transmission	3-Speed	3-Speed with Overdrive		Powerglide
Rear Axle Ratio	3.08:1#	OD Locked Out	OD Locked In	3.08:1#
Tire Size	6.50 x 14-4 PR*			
Crankshaft Revolutions per Mile	2510.2	3015.5	2110.9	2510.2
Crankshaft RPM @ 1 MPH	Low	123.0	147.3	76.1
	Second	70.3	84.2	59.1
	Third	41.8	50.3	35.1
	Reverse	123.0	147.3	41.8 (direct)
Piston Travel (ft/mile)	1359.7	1633.4	1143.4	1359.7

- * - 7.00 x 14-4 PR standard on Station Wagons.
- # - 3.36:1 on Station Wagons.

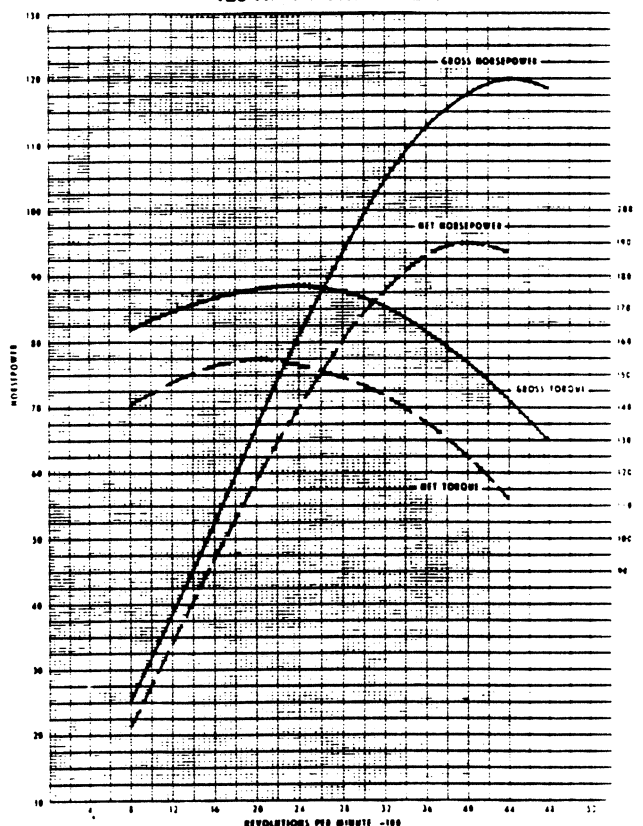
VEHICLE PERFORMANCE FACTORS
(Model 5369)

Transmission	3-Speed	3-Speed with Overdrive		Powerglide*
		Locked Out	Locked In	
Performance Weight (pounds)	3633	3667		3649
Pounds per Gross Horsepower	30.28	30.56		30.41
Pounds per Cu In Displacement	18.73	18.90		18.82
Gross HP per Cu in Displacement:		.619		
Power Displacement (Cu Ft/mile)	140.91	169.27	118.49	140.91
Displacement Factor (Cu Ft/ton mile)	75.57	92.32	64.63	77.23

* - Data computed assuming zero slippage in torque converter.

GLOSSARY	
Performance Weight	Curb Weight plus 600 Lb (weight of four 150 lb passengers)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

120 HP HI-THRIFT L-6



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

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

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

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

194 CUBIC INCH SIX CYLINDER ENGINE -- Cont'd.

SAME AS CHEVY II
194 CU. IN. L-6 ENGINE
EXCEPT FOR FOLLOWING DIFFERENCES

FUEL SYSTEM

FUEL TANK
Capacity (Gal.) ----- 20
Location ----- Behind rear axle
Filler Location ----- Behind hinged rear license plate

LUBRICATION SYSTEM

OIL PAN DRAIN SCREW
Location ----- Lower front edge of oil pan sump

COOLING SYSTEM

RADIATOR
Core Constant and Thickness
Distance between fins ----- .16

RADIATOR HEAVY DUTY (RPO-V01)
Frontal Area (Sq.In) ----- 325

230 CUBIC INCH SIX CYLINDER ENGINE

GENERAL DATA

	Synchronesh	Overdrive	Powerglide
Piston Displacement (Cu. In.)	230		
Type	Valve-in-head		
Number Cylinder	6		
Bore and Stroke (nominal)	3.875 x 3.25		
Compression Ratio	8.5:1		
Taxable (SAE) Horsepower	36		
Firing Order	1-5-3-6-2-4		
Idling Speed (RPM)	500 in neutral	500 in drive	
Compression Press. (PSI) @ Cranking Speed, Engine Hot	140		
Lubrication	Full pressure		
Power Plant Mounting	Two at center, combination compression & shear type: one rear, full shear type		
Measurements	Fan to rear of engine block		32.67
	Top of oil filler to bottom of oil pan		26.67
	Oil filter to air cleaner (width)		28.37

ADVERTISED ENGINE RATINGS

Engine	Turbo-Thrift 230
Carburetor	Large Single Barrel
Brake Horsepower Gross	155 @ 4400 RPM
Torque (Lb.-Ft) Gross	215 @ 2000 RPM

ENGINE SPEED AND PISTON TRAVEL

Transmission	3-Speed	3-Speed with Overdrive		Powerglide
		OD Locked Out	OD Locked In	
Rear Axle Ratio	3.08:1#	3.70:1		3.08:1#
Tire Size	6.50 x 14-4 PR*			
Crankshaft Revolutions per Mile	2510.2	3015.5	2110.9	2510.2
Crankshaft RPM @ 1 MPH	Low	123.0	147.3	103.4
	Second	70.3	84.2	59.1
	● Third	41.8	50.3	35.1
	Reverse	123.0	147.3	103.4
Piston Travel (ft./mile)	1359.7	1633.4	1143.4	1359.7

* - 7.00 x 14-4 PR standard on Station Wagons.
 # - 3.36:1 on Station Wagons.

230 CUBIC INCH SIX CYLINDER ENGINE — Cont'd.

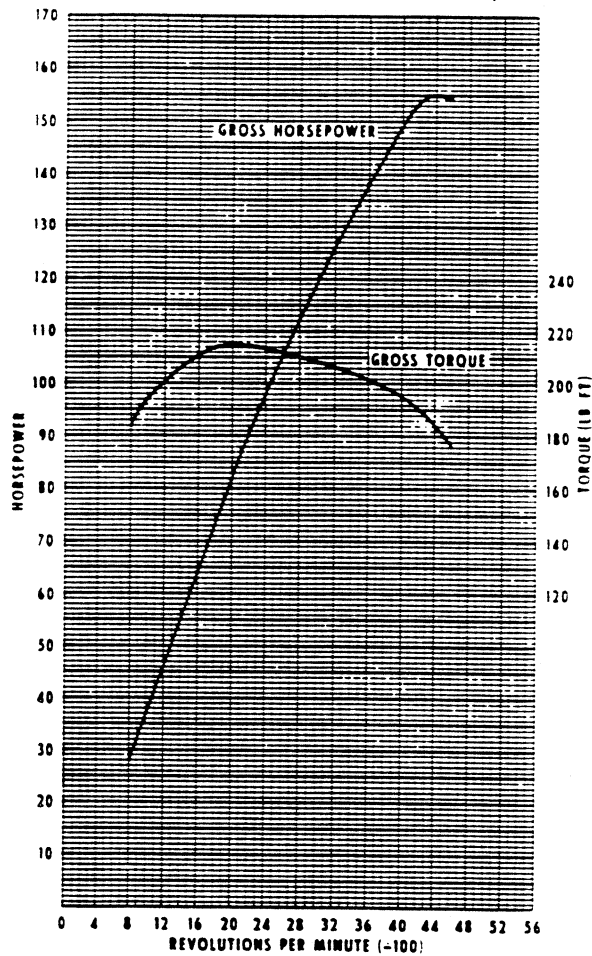
VEHICLE PERFORMANCE FACTORS (Model 5369)

Transmission	3-Speed	3-Speed with Overdrive		Powerglide *
		Locked Out	Locked In	
Performance Weight (pounds)	3645		3679	3661
Pounds per Gross Horsepower	23.52		23.74	23.62
Pounds per Cu In Displacement	15.85		16.00	15.92
Gross HP per Cu In Displacement			.674	
Power Displacement (Cu Ft/mile)	167.04	200.69	140.48	167.04
Displacement Factor (Cu Ft/ton mile)	91.66	109.10	76.37	91.26

* - Data computed assuming zero slippage in torque converter.

GLOSSARY	
Performance Weight	Curb Weight plus 600 Lb (weight of four 150 lb passengers)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

155 HP TURBO-THRIFT L-6 (RPO L61)



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

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

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

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

SAME AS CHEVROLET
230 CU. IN. L-6 ENGINE
EXCEPT FOR FOLLOWING DIFFERENCES

PRINCIPAL COMPONENTS

CAMSHAFT
Lobe Lift (Inlet & Exhaust) ----- .2327

VALVE SPRINGS
Installed Length (In. @ Lb.)
Valves Closed ----- 1.66 @ 78-86
Valves Open ----- 1.26 @ 170-180
Free Length ----- 2.08
● Valve Spring Dampers ----- Steel; 4 flat coils

VALVE LIFT
Inlet & Exhaust ----- .4072

VALVE TIMING	Excluding Ramps	Including Ramps
Inlet Valve		
Opens - BTC	37°	49°
Closes - ABC	77°	95°
Duration	294°	324°
Exhaust Valve		
Opens - BBC	83°	95°
Closes - ATC	31°	49°
Duration	294°	324°

LUBRICATION SYSTEM

OIL PAN DRAIN SCREW
Location ----- Lower front edge of oil pan sump

ELECTRICAL SYSTEM

IGNITION SYSTEM
Distributor
Centrifugal Advance Begins (RPM) ----- 600
Maximum Degrees @ RPM ----- 32 degrees @ 4400

EXHAUST and VENTILATION SYSTEM

MUFFLER
Shell ----- .036 sheet steel, aluminum coating
Head ----- .048 sheet steel, aluminum coating
Baffles ----- 4; .036 sheet steel, aluminum coating
Wrap ----- .030 indented asbestos sheet
Length, Body ----- 17.00
Width (L.D.) ----- 5.00
Height (L.D.) ----- 9.25

FUEL SYSTEM

FUEL TANK
Capacity (Gal.) ----- 20
Location ----- Behind rear axle
Filler Location ----- Behind hinged rear license plate

CARBURETOR
Type ----- Large single barrel, downdraft
Throttle Bore ----- 1.75
Venturi Diameter ----- 1.625

COOLING SYSTEM

GENERAL
Capacity with Heater ----- 11.5 Qrs.

RADIATOR, HEAVY DUTY (RPO-V01)
Thickness of Core ----- 1.26
Frontal Area (Sq. In.) ----- 357

283 CUBIC INCH V-8 ENGINE

GENERAL DATA

Piston Displacement (Cu. In.)	Synchromesh	Overdrive	4-Speed	Powerglide
Type	283			
Number Cylinder	Valve-in-head			
Bore and Stroke (nominal)	8			
Compression Ratio	3.875 x 3.00			
Taxable (SAE) Horsepower	9.25:1			
Firing Order	46.0			
Idling Speed (RPM)	1-8-4-3-6-5-7-2			
Compression Press. (PSI) @ Cranking Speed, Engine Hot	500 in neutral			475 in drive
Lubrication	150			
Power Plant Mounting	Full pressure			
Measurements	Two at center, combination compression & shear type; one rear, full shear type			
	Fan to rear of engine block	30.14		
	Top of oil filler to bottom of oil pan	29.57		
	Oil filter to air cleaner (width)	28.92		

ADVERTISED ENGINE RATINGS

Engine	Turbo-Fire 283		Turbo-Fire 283 (RPO L-77)	
Carburetor	2-Barrel		4-Barrel	
Brake Horsepower	Gross	195 @ 4800 RPM	220 @ 4800 RPM	
	Net	150 @ 4400 RPM		
Torque (Lb.-Ft)	Gross	285 @ 2400 RPM	295 @ 3200 RPM	
	Net	245 @ 2400 RPM		

ENGINE SPEED AND PISTON TRAVEL

Transmission	3-Speed	3-Speed with Overdrive		4-Speed	Powerglide	
		OD Locked Out	OD Locked In			
Rear Axle Ratio	3.08:1*	3.70:1		3.08:1*		
Tire Size	6.50 x 14-4 PR*					
Crankshaft Revolutions per Mile	2510.2	3015.5	2110.9	2510.2	2510.2	
Crankshaft RPM @ 1 MPH	Low	107.9	129.7	90.8	107.1	76.1
	Second	61.9	74.4	52.1	59.9	
	Third	41.8	50.3	35.2	41.8	41.8 (direct)
	Fourth				41.8	
	Reverse	107.9	129.7	90.8	110.4	76.1
Piston Travel (ft/mile)	1255.1	1507.8	1055.4	1255.1	1255.1	

* - 7.00 x 14-4 PR standard on Station Wagons.

- 3.36:1 on Station Wagons.

VEHICLE PERFORMANCE FACTORS
(Model 5469)

ENGINE - 283 Cu. In. V-8	195 HP BASE	220 HP RPO L77
--------------------------	----------------	-------------------

3-Speed Transmission

Performance Weight (pounds)	3771	3802
Pounds per Gross Horsepower	19.34	17.28
Pounds per Cu. In. Displacement	13.33	13.44
Gross HP per Cu. In. Displacement	.689	.777
Power Displacement (Cu. Ft./mile)	205.55	205.55
Displacement Factor (Cu. Ft./ton mile)	109.02	108.13

3-Speed Transmission with Overdrive

Performance Weight (pounds)	3805	3936	
Pounds per Gross Horsepower	19.51	17.44	
Pounds per Cu. In. Displacement	13.45	13.56	
Gross HP per Cu. In. Displacement	.689	.777	
Power Displacement (Cu. Ft./mile)	Locked Out	246.93	246.93
	Locked In	172.85	172.85
Displacement Factor (Cu. Ft./ton mile)	Locked Out	129.79	128.74
	Locked In	90.85	90.12

4-Speed Transmission

Performance Weight (pounds)	3779	3810
Pounds per Gross Horsepower	19.38	17.32
Pounds per Cu. In. Displacement	13.35	13.46
Gross HP per Cu. In. Displacement	.689	.777
Power Displacement (Cu. Ft./mile)	205.55	205.55
Displacement Factor (Cu. Ft./ton mile)	108.79	107.90

Powerglide*

Performance Weight (pounds)	3783	3814
Pounds per Gross Horsepower	19.40	17.34
Pounds per Cu. In. Displacement	13.37	13.48
Gross HP per Cu. In. Displacement	.689	.777
Power Displacement (Cu. Ft./mile)	205.55	205.55
Displacement Factor (Cu. Ft./ton mile)	108.67	107.79

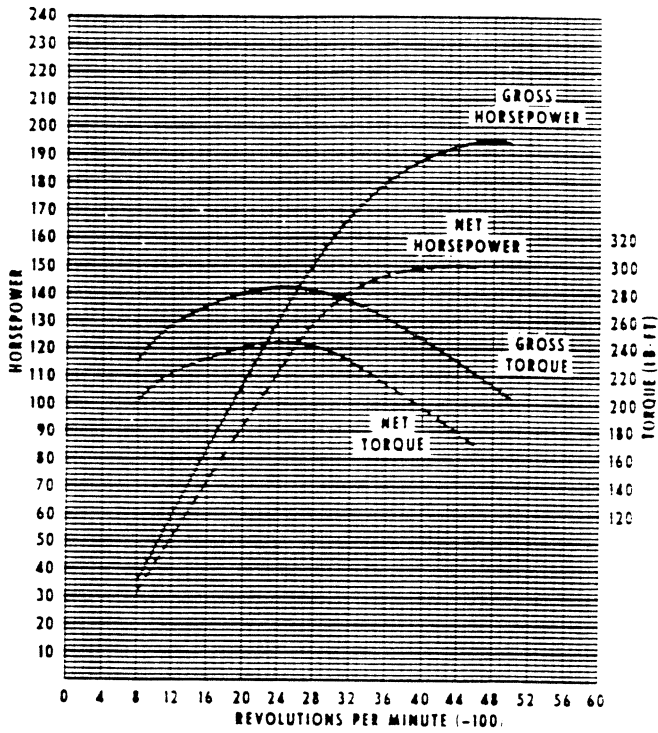
* - Data computed assuming zero slippage in torque converter

GLOSSARY

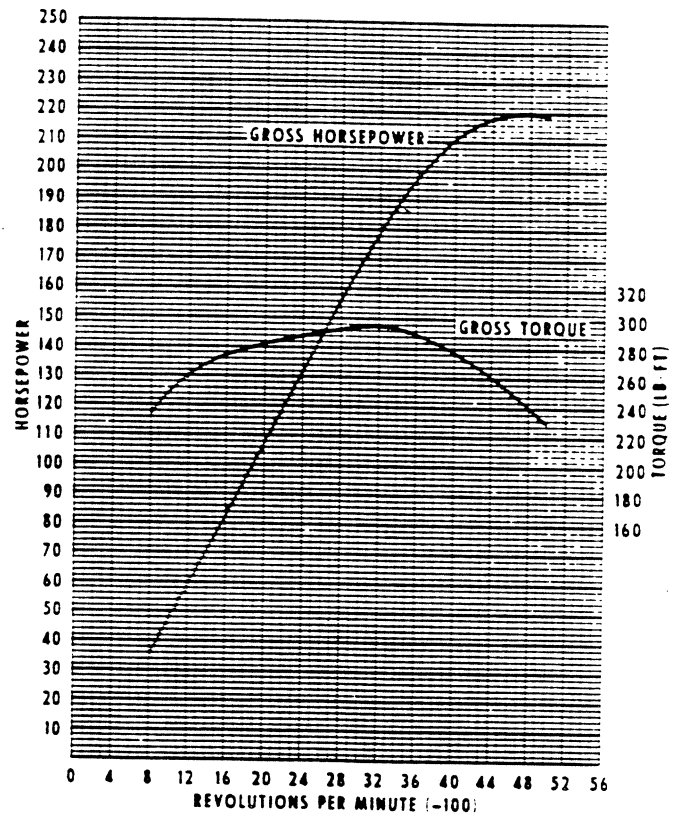
Performance Weight	Curb Weight plus 600 Lb (weight of four 150 lb passengers)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

283 CUBIC INCH V-8 ENGINE—Cont'd

195 HP TURBO-FIRE V-8



220 HP TURBO-FIRE V-8 (RPO L77)



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

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

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

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

BASE 283 CU. IN. V-8 ENGINE
 SAME AS CHEVROLET
 283 CU. IN. V-8 ENGINE
 EXCEPT FOR FOLLOWING DIFFERENCES

PRINCIPAL COMPONENTS

EXHAUST MANIFOLD
 Type ----- Rear downrider

COOLING SYSTEM

RADIATOR
 Distance between fins ----- 18

RADIATOR HEAVY DUTY (RPO-V01)
 Distance between fins ----- 16
 Thickness of core ----- 1.798
 Frontal Area (Sq. In.) ----- 391

BELT, CRANKSHAFT, FAN AND GENERATOR
 Pitch Line ----- 33.50

LUBRICATION SYSTEM

OIL PAN DRAIN SCREW
 Location ----- Left side, lower edge of oil pan

EXHAUST and VENTILATION SYSTEM

MUFFLER
 Shell ----- .036 sheet steel, aluminum coating
 Cover ----- .018 sheet steel, aluminum coating
 Wrap ----- .030 indented asbestos sheet
 Heads ----- .048 sheet steel, aluminum coating
 Baffles ----- 4; .036 sheet steel, aluminum coating
 Length ----- 17.00
 Width (I.D.) ----- 5.00
 Height (I.D.) ----- 9.25

EXHAUST CROSSOVER PIPE
 Wall thickness ----- .084-.104

EXHAUST PIPE
 Wall thickness ----- .073-.091

FUEL SYSTEM

FUEL TANK
 Capacity (Gal) ----- 20
 Location ----- Behind rear axle
 Filler Location ----- Behind hinged rear license plate

283 CUBIC INCH V-8 ENGINE—Cont'd.

OPTIONAL 283 CU. IN. V-8 ENGINE
4-BBL CARBURETOR (RPO-L77)

SAME AS BASE
283 CU. IN. V-8 ENGINE
EXCEPT FOR FOLLOWING DIFFERENCES

PRINCIPAL COMPONENTS

CRANKSHAFT
Vibration Damper ----- Rubber mounted inertia

FUEL SYSTEM

CARBURETOR
Type ----- 4-Barrel
Throttle Bore (Primary & Secondary) ----- 1.44
Venturi Diameter: ----- Primary 1.0625
----- Secondary 1.125

COOLING SYSTEM

FAN
Number of Blades ----- 5
Diameter ----- 18.00
Drive
Type ----- Thermo modulated fluid coupling
Performance ----- At 4000 RPM input, fan speed
3200-3500 RPM @ 135°F-150°F;
800-1600 RPM @ 120°F and below

EXHAUST and VENTILATION SYSTEM

MUFFLERS (DUAL)
Shell
Left hand ----- .036 sheet steel, aluminum coating
Right hand ----- .036 stainless steel
Head
Left hand ----- .048 sheet steel, aluminum coating
Right hand ----- .048 stainless steel
Baffles
Left hand ----- 3; .048 sheet steel, aluminum coating
Right hand ----- 3; .048 stainless steel
Length, Body ----- 21.25

EXHAUST PIPES AND TAIL PIPES
Type ----- Dual

ELECTRICAL SYSTEM

IGNITION SYSTEM
DISTRIBUTOR
Centrifugal Advance Begins (RPM) ----- 600
Maximum Degrees @ RPM ----- 28 @ 3700
SPARK PLUGS
Type ----- AC44

327 CUBIC INCH V-8 ENGINE

GENERAL DATA

		3-Speed	4-Speed	Powerglide
Piston Displacement (Cu In)				
Type		327		
Number Cylinders		Valve-in-head		
Bore and Stroke (nominal)		8		
Compression Ratio		4.0 x 3.25		
Taxable (SAE) Horsepower		10.5:1		
Firing Order		51.2		
Idle Speed (RPM)		1-8-4-3-6-5-7-2		
Compression Press (PSI) @ Cranking Speed, Engine hot		500		475
Lubrication		160		
Power Plant Mounting		Full pressure		
		Two front, combination compression & shear type; one rear, full shear type		
Measurements	Fan to rear of engine block	30.64		
	Top air cleaner to bottom oil pan	29.14		
	Exhaust manifold to generator (width)	28.92 (a)		

(a) - RPO L74 - 27.04

● ADVERTISED ENGINE RATINGS

Engine		Turbo-Fire 327 250 HP	Turbo-Fire 327 300 HP
Option		RPO L30	RPO L74
Carburetor		4 Barrel	Large Alum. 4 Barrel
Brake Horsepower	Gross	250 @ 4400 RPM	300 @ 5000 RPM
	Net	210 @ 4400 RPM	
Torque (Lb-Ft)	Gross	350 @ 2800 RPM	360 @ 3200 RPM
	Net	315 @ 2600 RPM	

● ENGINE SPEED AND PISTON TRAVEL

Transmission		3-Speed (a)	4-Speed	Powerglide
Rear Axle Ratio			3.08:1	
Tire Size		7.00 X 14 - 4PR		
Crankshaft Revolutions per Mile		2516.4		
Crankshaft RPM @ 1 MPH	Low	108.2	107.4	73.8
	Second	62.1	80.1	
	Third	41.9	62.1	41.9 (direct)
	Fourth		41.9	
	Reverse	108.2	110.7	73.8
Piston Travel (ft/mile)			1363.0	

(a) - Available with 250 HP RPO L30 only.

327 CUBIC INCH V-8 ENGINE — Cont'd.

● VEHICLE PERFORMANCE FACTORS

(Model 5469)

ENGINE - 327 Cu. In. V-8	250 HP RPO L30	300 HP RPO L74
--------------------------	-------------------	-------------------

3-Speed Transmission

Performance Weight (pounds)	3837	
Pounds per Gross Horsepower	15.35	
Pounds per Cu. In. Displacement	11.73	
Gross HP per Cu. In. Displacement	.765	
Power Displacement (Cu. Ft./mile)	238.09	
Displacement Factor (Cu. Ft./ton mile)	123.62	

4-Speed Transmission

Performance Weight (pounds)	3836	3844
Pounds per Gross Horsepower	15.35	12.81
Pounds per Cu. In. Displacement	11.74	11.75
Gross HP per Cu. In. Displacement	.765	.917
Power Displacement (Cu. Ft./mile)	238.09	259.74
Displacement Factor (Cu. Ft./ton mile)	123.62	135.14

Powerglide*

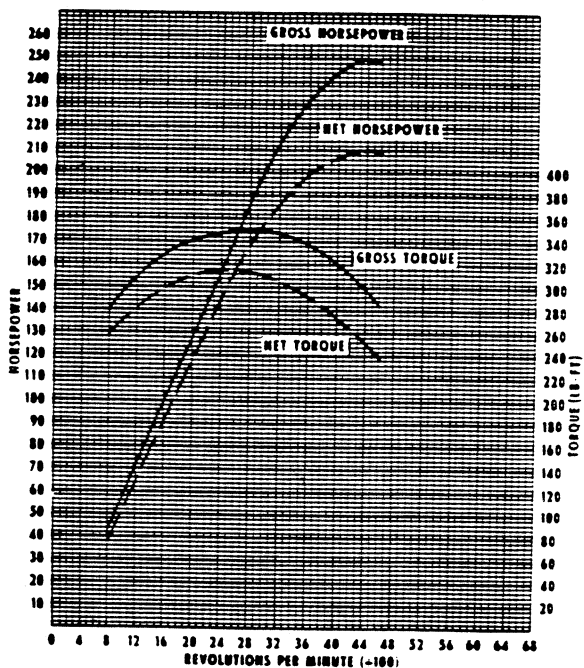
Performance Weight (pounds)	3853	3860
Pounds per Gross Horsepower	15.41	12.87
Pounds per Cu. In. Displacement	11.78	11.80
Gross HP per Cu. In. Displacement	.765	.917
Power Displacement (Cu. Ft./mile)	238.09	259.74
Displacement Factor (Cu. Ft./ton mile)	123.62	134.58

* - Data computed assuming zero slippage in torque converter.

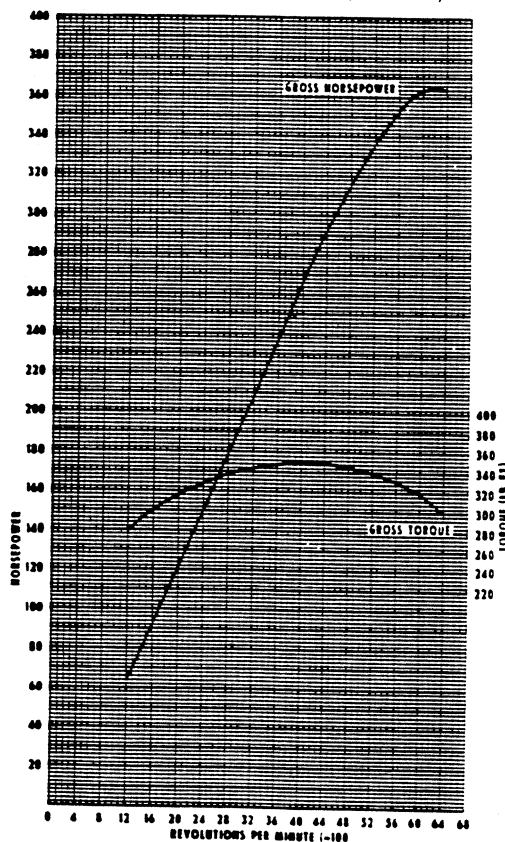
GLOSSARY

Performance Weight	Curb Weight plus 600 Lb (weight of four 150 lb passengers)
Power Displacement	$\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$
Displacement Factor	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

250 HP TURBO-FIRE V-8 (RPO L30)



300 HP TURBO-FIRE V-8 (RPO L74)



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

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

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

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

327 CUBIC INCH V-8 ENGINE—Cont'd

OPTIONAL 327 CU. IN. V-8 ENGINE
4-BBL CARBURETOR, 250 HP (RPO-L30)

SAME AS CHEVROLET
327 CU. IN. V-8 ENGINE (RPO-L30)
EXCEPT FOR FOLLOWING DIFFERENCES

PRINCIPAL COMPONENTS

EXHAUST MANIFOLD

Type ----- Rear downtake

FUEL SYSTEM

FUEL TANK

Capacity (Gal) ----- 20
Location ----- Behind rear axle
Filler location ----- Behind hinged rear license plate

FUEL PUMP ASSEMBLY

Pressure Range ----- 6.00-7.25 PSI

CARBURETOR

Type ----- Rochester
Venturi diameter ---- 1.125 (Primary) 1.250 (Secondary)

COOLING SYSTEM

RADIATOR

Distance between fins ----- .16 (Syn. & P/G)
Frontal area (Sq. In.) ----- 357

RADIATOR HEAVY DUTY (RPO-V01)

Distance between fins ----- .16 (Syn. & P/G)
Frontal area (Sq. In.) ----- 391

EXHAUST and VENTILATION SYSTEM

MUFFLERS

Shell

Left hand ----- .036 sheet steel aluminum coating
Right hand ----- .036 stainless steel

Head

Left hand ----- .048 sheet steel aluminum coating
Right hand ----- .048 stainless steel

Baffles

Left hand ----- 3; .042 sheet steel aluminum coating
Right hand ----- 3; .042 stainless steel
Length, body ----- 21.25
Width (ID) ----- 5.00
Height (ID) ----- 9.25

EXHAUST PIPES

Wall thickness ----- .073-.091

RESONATORS ----- None

LUBRICATION SYSTEM

OIL PAN DRAIN SCREW

Location ----- Left side, lower edge of oil pan sump

OPTIONAL 327 CU. IN. V-8 ENGINE
4-BBL ALUMINUM CARBURETOR, 300 HF (RPO - L74)

SAME AS CHEVROLET
327 CU. IN. V-8 ENGINE (RPO - L74)
EXCEPT FOR FOLLOWING DIFFERENCES

PRINCIPAL COMPONENTS

EXHAUST MANIFOLD
Type ----- Rear downtake

FUEL SYSTEM

FUEL TANK
Capacity (Gal) ----- 20
Location ----- Behind rear axle
Filler location ----- Behind hinged rear license plate

FUEL PUMP ASSEMBLY
Pressure range ----- 6.00 - 7.25 PSI

COOLING SYSTEM

RADIATOR
Distance between fins ----- .16 (Syn. & P/G)
Frontal area (Sq. In.) ----- 357

RADIATOR HEAVY DUTY (RPO - V01)
Distance between fins ----- .16 (Syn. & P/G)
Frontal area (Sq. In.) ----- 391

EXHAUST and VENTILATION SYSTEM

MUFFLERS
Shell
Left hand ----- .036 sheet steel aluminized coating
Right hand ----- .036 stainless steel
Head
Left hand ----- .060 sheet steel aluminized coating
Right hand ----- .060 stainless steel
Baffles
Left hand ----- .036 sheet steel aluminized coating
Right hand ----- .036 stainless steel
Length, body ----- 21.25
Width (ID) ----- 5.00
Height (ID) ----- 9.25

EXHAUST PIPES
Wall thickness ----- .073-.091
Dimension (O.D.) ----- 2.00

RESONATORS ----- None

LUBRICATION SYSTEM

OIL PAN DRAIN SCREW
Location ----- Left side, lower edge of oil pan sump

CLUTCHES

Name	Hi-Thrift 194	Turbo-Thrift 230	Turbo-Fire 283	Turbo-Fire 327	
ENGINE	Horsepower	120	155	195 220 220	250 300
	Displacement, cu.in.	194	230	283	327
Clutch identification	Regular production and OD	Heavy duty	Regular production and OD	Regular production and OD	4-Speed 3-Speed 4-Speed
Clutch assembly	Single dry disk				
Type	(a)				
Clutch cover and pressure plate assembly	Effective plate load, lb.	1250-1450	1900-2200	1500-1800	1700-1950 2100-2300
	Type of drive	Steel straps			
Pressure plate	Material	Cast iron			(b)
	OD	9.28		10.14	10.48 (c)
Clutch spring assembly	Type	Diaphragm			
	Material	Heat treated spring steel			
Attachment to flywheel	Type	6 bolts, 5/16-18			6 bolts, 3/8-16
	Type	Single disk with 2 friction surfaces			
Driven plate assembly	Cushion	Flat spring steel between friction rings			
	Dampers	6 coil springs		12 coil springs (6 sets of 2)	5 coil springs (5 sets of 2)
Friction rings	OD	9.12	10.0	9.12	10.0
	ID	6.12	6.0	6.12	6.5
	Total area (sq. inches)	71.8	100.5	71.8	90.7 103.5
	Material	Woven asbestos (d)			
Flywheel assembly	Material	Cast iron			
	OD	12.54			
Ring gear	Material	Heat treated HR steel			
	No. of teeth	153			
	Width	.4110-.4220		.4010-.4130	
	PD	12.75			
Attachment	Shrink fit				
	Type	Single row ball			
Release	Lubrication	None, prepacked			
	Type	Bronze bushing			
Pilot	Lubrication	None, sintered and oil impregnated			
	Clutch fork	Drop forged steel, pivot mounted on ball			
Pedal mounting	Pendent, from brace on dash				
	Lubrication	Crossover shaft			
Clutch housing	Material	Aluminum alloy			

- (a) Single dry disk, centrifugal
- (b) Nodular iron
- (c) Diaphragm, bent finger design
- (d) Woven front and molded rear for heavy duty clutch
- (e) Premium woven asbestos

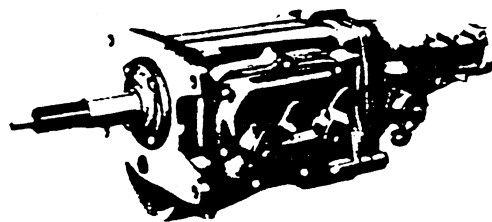
TRANSMISSIONS

3-SPEED TRANSMISSION

4-SPEED TRANSMISSION - RPO 6-M20

Engine	Name	Hi-Thrift 194	Turbo-Thrift 230	Turbo-Fire 283		Turbo-Fire 327	Turbo-Fire 283	Turbo-Fire 327			
	Horsepower	120	155	195	220	250	220	250	300		
	Displacement, in. ³	194	230	283		327	283	327			
Transmission Type	3-Speed					4-Speed					
Case	Material	Cast Iron					Aluminum				
Gear-shift	Type	Remote					Floor				
	Location	Steering column					Floor				
	Control	Lever through linkage					Lever through linkage				
Gears	Type	Helical									
	Material	Forged steel, heat treated									
	Synchronization	2nd and 3rd					All forward gears				
	Constant Mesh Gears	2nd					All forward gears				
	Sliding Gears	1st and Reverse					Reverse				
	Ratios	First	2.94		2.58		2.56				
		Second	1.68		1.48		1.91				
		Third	1.00		1.00		1.48				
		Fourth	---		---		1.00				
		Reverse	2.94		2.58		2.64				
Lubricant	Type	Meeting Military Specification MIL-L 2105-B									
	Capacity (Pts)	2.0					2.5				
Extension	Material	Alum.	Cast Iron					Aluminum			
	Oil Seal	Steel encased double seal of spring loaded synthetic rubber or felt									

4-SPEED TRANSMISSION



OVERDRIVE TRANSMISSION - RPO 6-M10

GENERAL

Type ----- 3 pinion planetary drive unit
Description ----- Adaptable to 3-speed transmission. Overdrive drive unit with integral mainshaft and extension of 3-speed.
Operation ----- Actuation by manually operated pull type lockout switch located under instrument panel to right of steering column; when fully extended, overdrive unit is inoperative. Overdrive unit can be over-ridden by a downshift switch located at the carburetor and controlled by the accelerator pedal; over-riding achieved by tramping accelerator.
Lubricant
Type ----- Meeting Military Specification MIL-L-2105-B
Viscosity ----- SAE 80
Capacity ----- Total 3 pints
Gear ratios with overdrive locked in:
Regular production and optional L-6 engines
First ----- 2.058
Second ----- 1.176
Third ----- .7
Regular production and optional V-8 engines
First ----- 1.806
Second ----- 1.036
Third ----- .7
Output shaft RPM
Cut-in ----- 1440
Cut-out ----- 1100

TRANSMISSIONS — Continued

AUTOMATIC TRANSMISSION - RPO 6-M35

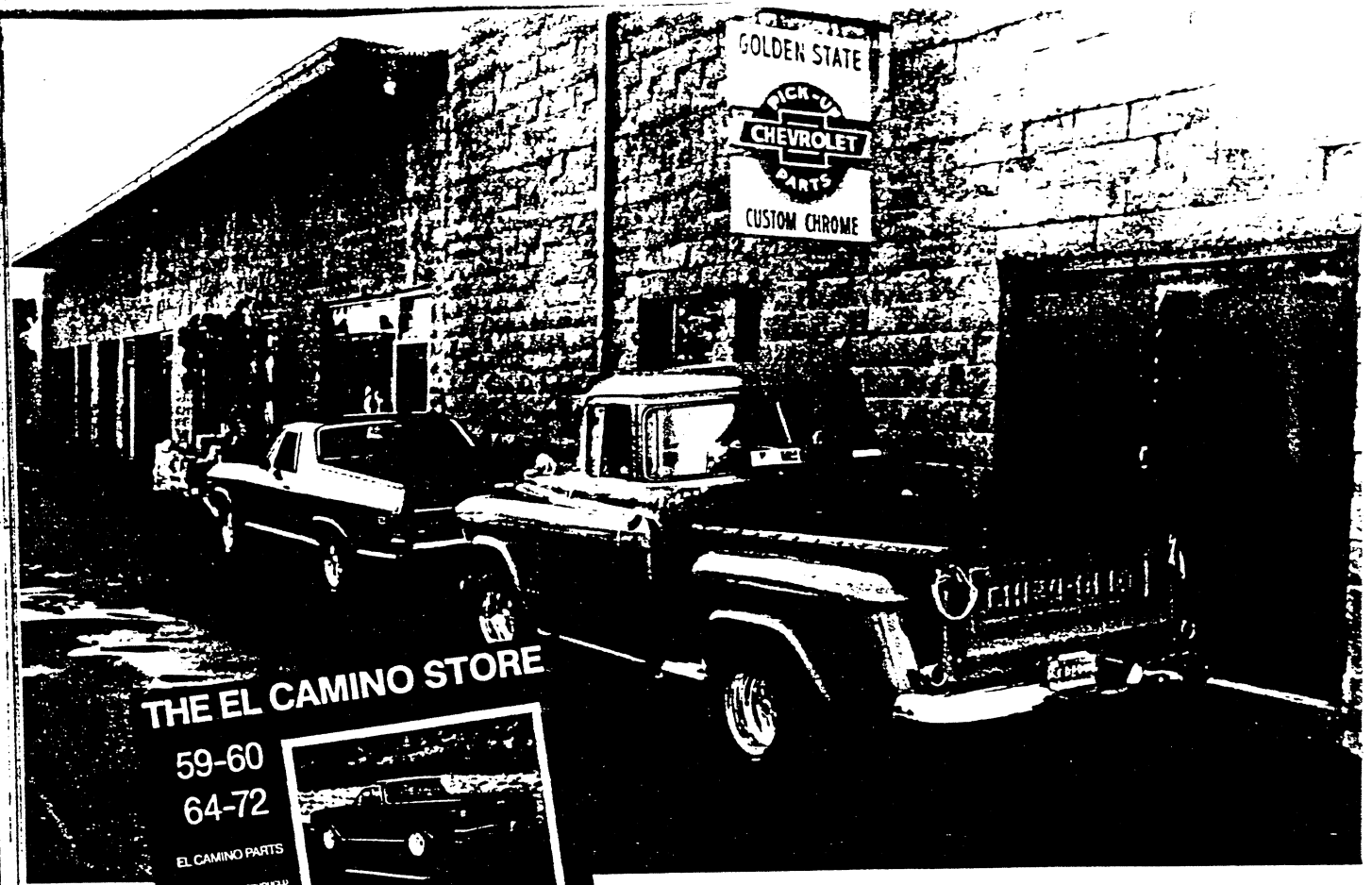
ENGINE	Name		Hi-Thrift	Turbo-Thrift	Turbo-Fire	Turbo-Fire	Turbo-Fire 327		
			194	230	283	283			
	Horsepower		120	155	195	220	250	300	
Displacement, cubic inches		194	230	283	283	327			
AUTOMATIC TRANSMISSION									
General Data	Type	Automatic hydraulic torque converter with planetary gear system for low and reverse							
	Selector lever	Location	Steering column except; Super Sport floor mounted						
		Operation	Actuates manual valve in hydraulic control system						
		Quadrant position	P-R-N-D-L						
	Parking lock	Type	Pawl and gear (on planetary)						
		Operation	Applied by selector lever through spring loaded linkage						
	Method of cooling	Air			Water				
Flywheel assembly	Steel stamping with welded on ring gear								
Hydraulic controls	Manual valve type		Spool						
	Pressure regulator valve type		Spool						
	Pressure range, psi @ idle	Drive and neutral	Minimum	49					49
			Maximum	53					53
		Low and park	Minimum	107					127
			Maximum	115					136
			Reverse	Minimum	85				
		Maximum	94					88	
Converter assembly	Type	Three element							
	Pump	Inner and outer sheet steel shells separated by sheet steel vanes. Outer shell pump housing which is welded to converter housing							
	Turbine	Inner and outer shells separated by sheet steel vanes. Assembly supported in converter cover. Operation independent of cover and pump housing.							
	Stator	Aluminum air foil supported on a stationary sleeve by an over-running clutch of cam and roller design.							
	Stall torque ratio	2.40:1		2.10:1					
	Diameter (nominal)	11.0			11.75				
Case	Material		Aluminum (one piece)						
Output shaft RPM (and vehicle spd MPH)	N/V		45.3	40.8	40.8	39.6	42.2		
	Upshift	Closed throttle	650(14)	650(16)	650(16)	650(16)	660(16)		
		Throttle at detent	1900(42)	1900(47)	2080(51)	2125(54)	2335(55)		
		Full throttle	2205(49)	2205(54)	2400(59)	2495(63)	2740(64)		
	Downshift	Closed throttle	605(13)	605(15)	605(15)	605(15)	615(15)		
		Throttle at detent	1210(27)	1165(29)	825(20)	825(21)	865(20)		
		Full throttle	2065(46)	2055(51)	2280(56)	2350(59)	2600(62)		

AUTOMATIC TRANSMISSION CONTINUED

ENGINE	Name		Hu-Thrift	Turbo-Thrift	Turbo-Fire	Turbo-Fire	Turbo-Fire 327	
			194	230	283	283		
	Horsepower		120	155	195	220	250	300
	Displacement, cubic inches		194	230	283	283	327	
AUTOMATIC TRANSMISSION								
High clutch	Type		Multi-disk					
	Drive plates	Description:	Waved steel with bonded organic facings					
		Number	3			4		
	Driven plates	Description:	Flat steel					
Number		4			5			
Reverse clutch	Type		Multi-disk					
	Drive plates	Description:	Flat steel with bonded organic facings					
		Number	4			5		
	Reaction plates	Description:	Flat steel					
Number		4			5			
Torque multiplication	Maximum overall ratio		4.37:1		3.82:1		3.70:1	
	Low and reverse		4.37:1 to 1.82:1		3.82:1 to 1.82:1		3.70:1 to 1.76:1	
Lubricant	Type		A, suffix A					
	Capacity (pints)	Dry	15			18		
		Refill	3					
Governor	Type		Centrifugal					
	Operation:		Regulates pump oil pressure to automatic shift control valve body					
	Drive		Output shaft					
	Location		in extension					
Oil pumps	Type		Internal-external gear					
	Number		Two, front and rear					
	Function		To supply pressure					
	Front pump	Drive	Converter pump					
		Function	Supply main system pressure at low vehicle speeds					
	Rear pump	Drive	Output shaft					
Function		Supply main system pressure at high vehicle speeds and during push starts						

AUTOMATIC TRANSMISSION CONTINUED

ENGINE	Name		Hi-Thrift	Turbo-Thrift	Turbo-Fire	Turbo-Fire	Turbo-Fire 327 ●	
			194	230	283	283		
	Horsepower		120	155	195	220	250	300
Displacement, cubic inches		194	230	283	283	327		
AUTOMATIC TRANSMISSION								
High clutch	Type		Multi-disk					
	Drive plates	Description	Waved steel with bonded organic facings					
		Number	3					
	Driven plates	Description	Flat steel					
Number		4						5
Reverse clutch	Type		Multi-disk					
	Drive plates	Description	Flat steel with bonded organic facings					
		Number	4					
	Reaction plates	Description	Flat steel					
Number		4						5
Torque multiplication	Maximum overall ratio		4.37:1	3.82:1			3.70:1	
	Low and reverse		4.37:1 to 1.82:1	3.82:1 to 1.82:1			3.70:1 to 1.76:1	
Lubricant	Type		A, suffix A					
	Capacity (pints)	Dry	15			18		
		Refill	3					
Governor	Type		Centrifugal					
	Operation		Regulates pump oil pressure to automatic shift control valve body					
	Drive		Output shaft					
	Location		In extension					
Oil pumps	Type		Internal-external gear					
	Number		Two, front and rear					
	Function		To supply pressure					
	Front pump	Drive	Converter pump					
		Function	Supply main system pressure at low vehicle speeds					
Rear pump	Drive	Output shaft						
	Function	Supply main system pressure at high vehicle speeds and during push starts						



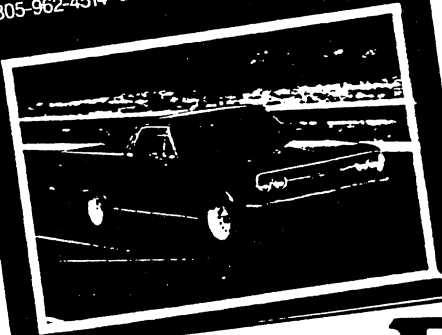
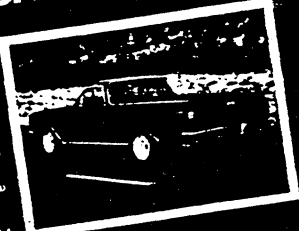
THE EL CAMINO STORE

59-60

64-72

EL CAMINO PARTS

WE BUY & SELL USED & REBUILT
QUALITY PARTS GUARANTEED
SALES & SERVICE QUALITY
805-962-4514



**Golden State
Pickup Parts is
at it again!**

The El Camino Store

Photos by Doug Marion

Over the years, whenever readers called us seeking parts or restoration help for their Chevy pickups, we referred them directly to Seth Doupton's Golden State Pickup Parts in Santa Barbara, California. Because of his close proximity to Los Angeles and our similar interests, we've known Seth for a decade. If you live elsewhere,

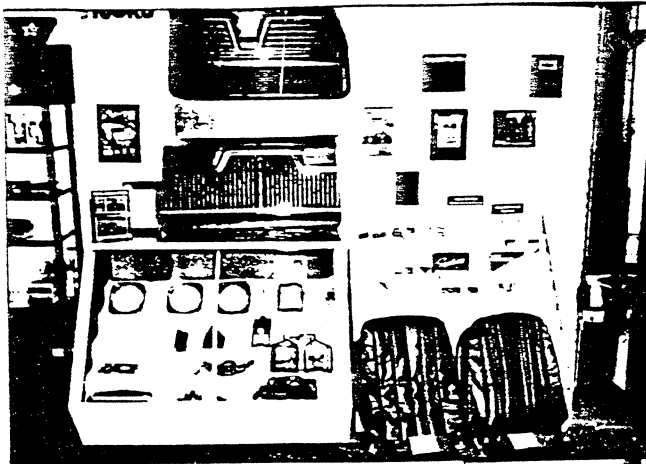
though *Hemming's Motor News* usually lists several other truck parts firms of national repute.

How good is Golden State? Well, they offer a lifetime warranty on just about everything they sell, and SC has never received a call back from anyone seeking more information.

So what's new at Golden State Pickup Parts? Well two years ago, Seth called SC with an idea. It seems that El Camino owners are always calling him for parts and information. Would a division of Golden State Pickup Parts, called



El Camino Store and Golden State Pickup Parts has a well-stocked showroom. Stop by anytime.



El Camino chrome trim, shop manuals, door panels and bucket seat covers on display.

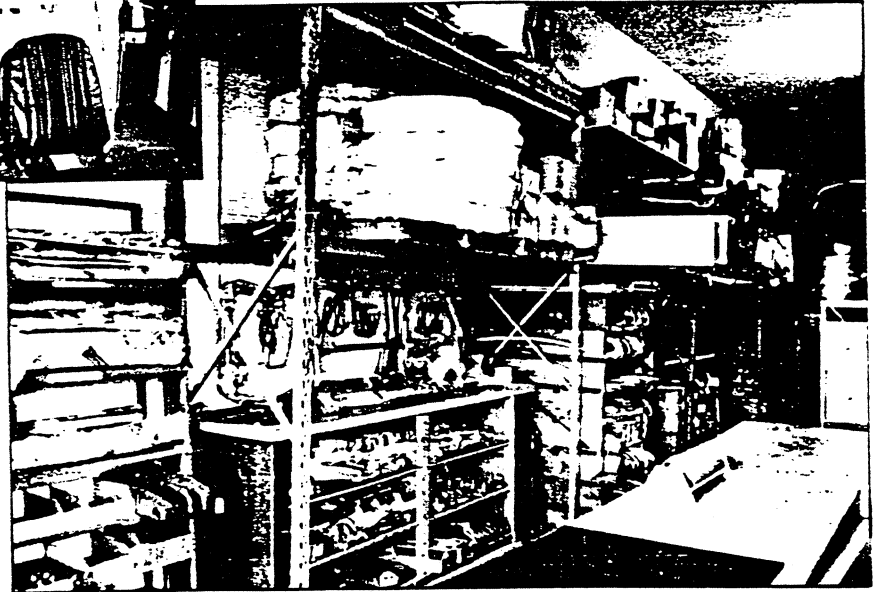
Need rechromed trim and moldings for your 1947-1972 Chevy or GMC pickup or 1959-1972 El Camino?

The El Camino Store, be viable? SC said yes. Seth agreed and the rest is history.

We have purposely refrained from mentioning The El Camino Store too much because with only so much time in a day, week and month, we wanted Seth and crew to get their feet on the ground. As anyone will tell you, servicing everyone's needs is a never-ending job, but at this point in time The El Camino Store is a viable source to satisfy your needs and wants. They have a very professional 50-page catalog covering 1959-1960 and 1964-1972 El Caminos, which costs \$3.

Parts sold at The El Camino Store are backed by the same warranty that applies to other truck parts sold by Golden State. It reads: "The El Camino Store will fully back and replace any part that they sell that becomes defective because of workmanship or material for the life of your truck. That's right, if you buy a chrome bumper from them and in 10 years it rusts, they will replace it free with proof of purchase." They sell new, used and reproduced parts. NOS is their specialty. •

THE EL CAMINO STORE
618 E. Gutierrez St.
Santa Barbara, CA 93103
(805) 962-4514



Here's a before-and-after pickup heater system. Both firms sponsor "Chevy Madness Day," a huge event held in November at Magic Mountain, north of Los Angeles.



Here are the guys and gals at The El Camino Store /Golden State Pickup Parts. Guy at top-rear is Seth Doulton.

AMA Specifications – Passenger Car

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

MANUFACTURER CHEVROLET MOTOR DIVISION GENERAL MOTORS CORP.	CAR NAME CHEVELLE 53-55-5700 SERIES 54-56-5800 SERIES 194 Cu. In. 6-Cyl. 283 Cu. In. V-8				
MAILING ADDRESS Chevrolet Engineering Center Box 7346, N. End Station, Detroit 2, Mich.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">MODEL YEAR 1964</td> <td style="width: 50%;">ISSUED: 9-23-63</td> </tr> <tr> <td colspan="2">REVISED (e)</td> </tr> </table>	MODEL YEAR 1964	ISSUED: 9-23-63	REVISED (e)	
MODEL YEAR 1964	ISSUED: 9-23-63				
REVISED (e)					

NOTES:

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

TABLE OF CONTENTS

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Engine - Mechanical 2	Brakes 18	Body Dimensions 22	Weights 33
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BODY—TYPES AND STYLE NAMES—

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

	<u>194 Cu. In.</u> <u>6-Cylinder</u>	<u>283 Cu. In.</u> <u>8-Cylinder</u>
CHEVELLE 300		
2-Door Sedan, 6-Pass. ---	5311	5411
4-Door Station Wagon, 2-Seat ---	5335	5435
2-Door Station Wagon, 2-Seat ---	5315	5415
4-Door Sedan, 6-Pass. ---	5369	5469
MALIBU		
4-Door Station Wagon, 2-Seat ---	5535	5635
2-Door Sport Coupe, 5-Pass. ---	5537	5637
2-Door Convertible, 5-Pass. ---	5567	5667
4-Door Sedan, 6-Pass. ---	5569	5669
4-Door Station Wagon, 3-Seat ---	5545	5645
MALIBU SUPER SPORT		
2-Door Sport Coupe, 4-Pass. ---	5737	5837
2-Door Convertible, 4-Pass. ---	5767	5867
EL CAMINO		
2-Door Sedan Pickup, 3-Pass. Regular ---	5380	5480
2-Door Sedan Pickup, 3-Pass. Deluxe ---	5580	5680

AMA Specifications — Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED(•)

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.:	6-Cylinder Engines		V-8 Engines		
		194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)	
		53-55-5700		54-56-5800		
Wheelbase (L101)	23	115.0				
Tread	Front (W101)	22	Sedans	Sport Coupe	Convertible	Sta/Wagon
			58.0			
	Rear (W102)	22	58.0			
Maximum Overall Dimensions	Length (L103)	23	193.9		198.8	
	Width (W103)	22	74.6			
	Height (H101)	24	54.5	54.0	54.1	
Transmission— (Specify trade name - opt., not available)	Manual	15	Synchromesh; 3-Spd Standard, 4-Spd Optional with V-8 Engines			
	Overdrive	16	Optional			
	Automatic	16	Powerglide Optional			
Axle ratio	Manual	17	53-5500 Series Sta. Wagons - 3.36:1; remainder 3.08:1			
	Overdrive	17	3.70:1			
	Automatic	17	Same as Manual			
Tire size	18	All Station Wagons and Sedan Pick Ups - 7.00 x 14; Balance 6.50 x 14				
Engine	Type, no. cyl., valve arr.	2	In-line 6 OHV		90° V-8 OHV	
	Fuel system (Carb., other)	8	Carburetor			
	Bore and stroke	2	3.563 x 3.25	3.875 x 3.25	3.875 x 3.00	
	Piston displ., cu.in.	2	194	230	283	
	Std. compression ratio	2	8.5:1		9.25:1	
	Max. bhp at engine rpm	2	120 @ 4400	155 @ 4400	195 @ 4800	220 @ 4800
	Max. torque at rpm	2	177 @ 2400	215 @ 2000	285 @ 2400	295 @ 3200

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED	(*)12-2-63
	6-Cylinder Engines			V-8 Engines			
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)			
MODEL	53-55-5700			54-56-5800			

ENGINE—GENERAL

Type, no. cyls., valve arr.		In-line 6 OHV		90° V-8 OHV	
Bore and stroke (nominal)		3.563 x 3.25	3.875 x 3.25	3.875 x 3.00	
Piston displacement, cu. in.		194	230	283	
Bore spacing (C/L to C/L)		4.4			
No. system (front to rear)	L. Bank	1-2-3-4-5-6 (In line)		1-3-5-7	
	R. Bank			2-4-6-8	
Firing order		1-5-3-6-2-4		1-8-4-3-6-5-7-2	
Compress. ratio (nominal)		8.5:1		9.25:1	
Cylinder Head Material		Cast Alloy Iron			
Cylinder Block Material		Cast Alloy Iron			
Cylinder Sleeve—Wet, dry, none		None			
Number of mounting points	Front	Two			
	Rear	One			
Engine installation angle		3° 51'		5° 11'	
Taxable horsepower	Di _a 2 x No. Cyl. 2.5	30.5	36.0	48.0	
Published max. bhp* @ eng. RPM		120 @ 4400	155 @ 4400	195 @ 4800	220 @ 4800
Published max. torque* (lb. ft. @ RPM)		177 @ 2400	215 @ 2000	285 @ 2400	295 @ 3200
Recommended fuel regular - premium		Regular			Premium
Idle speed (spec. neutral or drive)	Manual	500 in Neutral			
	Automatic	500 in Drive		475 in Drive	

ENGINE—PISTONS

Material		Cast Aluminum Alloy			
Description and finish		Flat head; Slipper Skirt	Flat, notched head; Slipper Skirt		
Weight (piston only) oz.		17.60	20.40	20.30	
Clearance (limits)	Top land	.033 - .044		.035 - .044	
	Skirt	Top	.0005 - .0011 (a)		
		Bottom	.0005 - .0011 (b)		
Ring groove depth	No. 1 ring	.1960 - .2025		.2153 - .2218	
	No. 2 ring	.1960 - .2025		.2153 - .2218	
	No. 3 ring	.1985 - .2050		.2093 - .2158	
	No. 4 ring				

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

- (a) - Measured 2.00" from top of piston
- (b) - Measured 2.44" from top of piston

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (a)

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	Gen. Purpose Standard	* AXLE RATIO (Std. first)	Special Purpose or Mountain
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM				
5300	194	1 Bbl	8.5:1	120 @	177 @	3-Speed and	3.08:1 (a)	3.36:1	
		Down-draft		4400	2400	Powerglide #			
5500						Overdrive #	3.70:1	--	
5700	230 (Opt)	1 Bbl	8.5:1	155 @	215 @	3-Speed and	3.08:1 (a)	3.36:1	
		Down-draft		4400	2000	Powerglide #			
						Overdrive #	3.70:1	--	
5400	283 (Std)	2 Bbl Down-draft	9.25:1	195 @ 4800	285 @ 2800	3-Speed	3.08:1	3.36:1	
						4-Speed #	3.08:1	--	
						Powerglide #	3.08:1		
						Overdrive #	3.70:1		
5600									
5800	283 (Opt)	4 Bbl Down-draft	9.25:1	220 @ 4800	295 @ 3200	3-Speed	3.08:1	3.36:1	
						4-Speed #	3.08:1	--	
						Powerglide #	3.08:1		
						Overdrive #	3.70:1	--	

* - Also available in Positraction for combinations shown
 (a) - Station Wagon Models - 3.36:1
 # - Optional

AMA Specifications - Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED (a)
		6-Cylinder Engines		V-8 Engines		
		194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)	
MODEL		53-55-5700		54-56-5800		

ENGINE-RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil Control
	No. 4, oil or comp.	None
Compression	Description - material, type, coating, etc.	Cast alloy iron, inside bevel Upper - Flash chrome plating O. D. Lower - Wear resistant coating O. D.
	Width	.0775 - .0780 Upper: .0770 - .0780 Lower
	Gap	.010 - .020
Oil	Description - material, type, coating, etc.	Multi-piece - (2 rails and one spacer expander) Spacer expander - Steel Rails - Stainless steel, chrome plated O. D.
	Width	.1840 - .1880 (assembled)
	Gap	.015 - .055
Expanders		In oil ring assembly

ENGINE-PISTON PINS

Material	Chromium steel	
Length	2.990 - 3.010	
Diameter	.9270 - .9273	
Type	Locked in rod, in piston, floating, etc.	
	Locked in rod	
	Bushing	None
	Material	None
Clearance	In piston	.00015 - .00025
	In rod	None
Direction & amount offset in piston		Major thrust side .060

ENGINE-CONNECTING RODS

Material	Drop forged steel	
Weight (oz.)	20.80	20.00
Length (center to center)	5.699 - 5.701	
Bearing	Material & Type	
	Steel backed babbitt or Copper lead alloy	
	Overall length	.807
	Clearance (limits)	.0007 - .0027
	End play	.008 - .014 .009 - .013

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED	(9)12-2-63
		6-Cylinder Engines		V-8 Engines			
		194 Cu. in. (Std)	230 Cu. in. (Opt)	283 Cu. in. (Std)	283 Cu. in. (Opt)		
MODEL	53-55-5700			54-56-5800			

ENGINE—CRANKSHAFT

Material	Cast Nodular Iron		Cast Nodular Iron or Forged Steel		
Vibration damper type	Rubber Mounted Inertia		None	Rubber Mounted Inertia	
End thrust taken by bearing (No.)	7		5		
Crankshaft end play	.002 - .006				
Main bearing	Material & type		Steel backed babitt or Copper lead alloy		
	Clearance		.0003 - .0029		
	Journal dia. and bearing overall length	No. 1	2.3004 x .752		
		No. 2	2.3004 x .752		
		No. 3	2.3004 x .752		
		No. 4	2.3004 x .752		
		No. 5	2.3004 x .752	2.3004 x 1.177	
		No. 6	2.3004 x .752	---	
No. 7		2.3004 x .760	---		
Dir. & amt. cyl. offset		None			
Crankpin journal diameter	1.999 - 2.000				

ENGINE—CAMSHAFT Above and to

Location	right of Crankshaft	In block above Crankshaft	
Material	Cast alloy iron		
Bearings	Material	Extra-life steel backed babitt	
	Number	4	
Type of Drive	Gear or chain	Gear	
	Crankshaft gear or sprocket material	Steel	
	Camshaft gear or sprocket material	Bakelite and fabric composition with steel hub	
	Timing chain	No. of links	None
		Width	None
		Pitch	None
		500	

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)	Standard		
Valve rotator, type (Intake, exhaust)	None		
Rocker ratio	1.75:1		1.5:1
Operating tappet clearance (indicate hot or cold)	Intake	Zero	
	Exhaust	Zero	
Timing marks on flywheel, damper, other	Harmonic Balancer	Crk/shft Pulley Hub	Harmonic Balancer

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED	
MODEL	6-Cylinder Engines		V-8 Engines				
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)			
	53-55-5700		54-56-5800				

ENGINE—VALVE SYSTEM (cont.)

*	Intake	Opens (°BTC)	34°	49°	32° 30'
		Closes (°ABC)	86°	95°	87° 30'
		Duration - deg.	300°	324°	300°
	Exhaust	Opens (°BBC)	68°	95°	74° 30'
		Closes (°ATC)	52°	49°	45° 30'
		Duration - deg.	300°	324°	300°
	Valve opening overlap		86°	98°	78°
Intake	Material		Carbon Steel		
	Overall length		4.902 - 4.922		
	Actual overall head dia.		1.715 - 1.725		
	Angle of seat & face		46° (seat) 45° (face)		
	Seat insert material		None		
	Stem diameter		.3404 - .3417		
	Stem to guide clearance		.0010 - .0033		
	Lift (@ zero lash)		.3350	.4072	.3987
	Outer spring press. and length	Valve closed (lb. @ in.)	84-92 @ 1.66	78-86 @ 1.66	
		Valve open (lb. @ in.)	166-176 @ 1.33	170-180 @ 1.26	
	Inner spring press. and length	Valve closed (lb. @ in.)	--	Spring Damper	
		Valve open (lb. @ in.)	--	Spring Damper	
	Exhaust	Material		High Alloy Steel	
Overall length		4.913 - 4.933			
Actual overall head dia.		1.495 - 1.505			
Angle of seat & face		46° (seat) 45° (face)			
Seat insert material		None			
Stem diameter		.3410 - .3417			
Stem to guide clearance		.0010 - .0027			
Lift (@ zero lash)		.3350	.4072	.3987	
Outer spring press. and length		Valve closed (lb. @ in.)	84-92 @ 1.66	78-86 @ 1.66	
		Valve open (lb. @ in.)	166-176 @ 1.33	170 - 180 @ 1.26	
Inner spring press. and length		Valve closed (lb. @ in.)	--	Spring Damper	
		Valve open (lb. @ in.)	--	Spring Damper	

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Nozzle
	Cylinder walls	Conn. rod brg. Throw-off

* - Including Ramps

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED (a)	12-2-63
		6-Cylinder Engines		V-8 Engines			
		194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)		
MODEL		53-55-5700		54-56-5800			

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	30-45 PSI @ 1500 RPM
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full-Flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	4.0
Oil grade recommended (SAE viscosity and temperature range)	32° F and above - SAE 20W, SAE 20 or SAE 10W-30 0° F and above - SAE 10W, SAE 10W-30 Below 0° F - SAE 5W, SAE 5W-20
Engine Service Requirement (MM, MS, etc.)	MS or DG

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single	Single with Cross over	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, Reverse flow		Two Reverse flow
Exhaust pipe dia. (O.D. & wall thickness)	Branch	2.0 x .084 - .104	---
	Main	2.00 x .064	2.0 x .073 - .091
Tail pipe diameter (O.D. & wall thickness)	1.875 x .062 - .076		

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to Induction System	
	Optional		
Control unit	Make and model		
	Location	Top rear of rocker cover	Rear of carburetor
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable	
Complete system	Discharges (to Intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold	
	Air Inlet (breather cap, carburetor air cleaner, other)	Breather Cap	
	Flame arrestor (screen, check valve, other)	Check Valve	

AMA Specifications— Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (a) 12-3-63
6-Cylinder Engines V-8 Engines
194 Cu. In. (Std) 230 Cu. In. (Opt) 283 Cu. In. (Std) 283 Cu. In. (Opt)
MODEL 53-55-5700 54-56-5800

ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Capacity (gals.)	20	
	Filler location	Behind hinged rear license plate (a)	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower right front of engine	
	Pressure range	● 3.50 - 4.50 PSI	5.25 - 6.50 PSI
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank	
	Locations	and sintered bronze filter in carburetor	
Carburetor	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air clnr. type	Standard Polyurethane element	Optional Paper element

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
5300	194	3 Speed	Rochester	7023105	One Single-barrel Down-draft	1.56
		Powerglide	Rochester	7023108		
5500	230 (Opt)	3 Speed	Rochester	7023003	Large Single-barrel Down-draft	1.56
		Powerglide	Rochester	7023000		
5400	283 (Std)	3 Speed	Rochester	7024101	One Two-barrel Down-draft	1.44
		4 Speed				
5600		Powerglide	Rochester	7024106		
5800	283 (Opt)	3 Speed	Rochester	7024125	One Four-barrel Down-draft	Primary and Secondary 1.44
		4 Speed				
		Powerglide	Rochester	7024126		

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED(*)	
		6-Cylinder Engines		V-8 Engines			
MODEL		194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)		
		53-55-5700		54-56-5800			

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure					
Radiator cap relief valve pressure		13 PSI ± 1					
Circulation thermostat	Type (choke, bypass)	Choke					
	Starts to open at (°F)	177° - 183° F					
Water pump	Type (centrifugal, other)	Centrifugal					
	GPM @ 1000 pump rpm	58 @ 4400	60 @ 4400	53 @ 4200			
	Number of pumps	One					
	Drive (V-belt, other)	V-Belt					
	Bearing type	Permanently lubricated double row ball					
By-pass recirculation type (internal, external)		Internal					
Radiator core type (cellular, tube and fin, other)							
Cooling system capacity	With heater (qt.)	11.5					17
	Without heater (qt.)	10.5					16
	Opt. equipment-specify (qt.)	12.0					18
Water jackets full length of cylinder (yes, no)		Yes					
Water all around cylinder (yes, no)		Yes					
Radiator hose	Lower	Number and type (molded, straight)	One, molded				
		Inside diameter	1.75				
	Upper	Number and type (molded, straight)	One, molded				
		Inside diameter	1.28				
	By-pass	Number and type (molded, straight)	None				
		Inside diameter	--				
Fan	Number of blades & Spacing		4, Staggered			5, Staggered	
	Diameter		17.62			18.00	
	Ratio-fan to crankshaft rev.		.949:1			.959:1	
	Fan cutout type		None			*	
	Bearing type						
*Drive belts (Indicate belt used by letter)	Fan		A				D
	Generator		A				D
	Water Pump		A				D
	Power Steering		B				E
	Air Conditioning		C				F

* Thermo-modulated, viscous coupling

* Drive Belt Dimensions	A	B	C	D	E	F
Angle of V	38° - 42°					
Nominal length (SAE)	39.00	49.50	54.75	53.50	41.50	57.50
Width	.380 ± .005					

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED		REVISED (*)	
MODEL	6-Cylinder Engines		V-8 Engines				
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)			
	53-55-5700		54-56-5800				

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	#1983504		
	Voltage Rtg. & Total Plates	12 Volt - 54 Plate		
	SAE Designation & Amp Hr. Rtg	44 Amp/Hr @ 20 hr rate		
	Location	Right front engine compartment		
	Terminal grounded	Negative		
Generator	Make	Delco -Remy		
	Model	#1100668		
	Type	Diode rectified		
	Ratio—Gen. to Cr/s rev.	2.46:1		
	Gen. cut-in (hot)—engine rpm	Idle		
Regulator	Make	Delco -Remy		
	Model	#1119515		
	Type	Vibrator		
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open		
	Regulated	Voltage	13.8 - 14.8 @ 85° F	
		Current	--	
Voltage test conditions	Temperature	Operating		
	Load	3-8 Amperes		
	Other	None		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Delco - Remy		
	Model	#1107259	#1107247	
	Rotation (drive end view)	Clockwise		
	Engine cranking speed			
	Test conditions	Engine Operating Temperature		
	Lock test	Amps		
		Volts		
		Torque (lb. ft.)		
No load test	Amps	49 - 76		
	Volts	10.6		
	RPM (min.)	6200 - 9400		
Motor control	Switch (solenoid, manual)	Solenoid		
	Starting procedure	<p>Synchromesh - Place gearshift in neutral and depress clutch to floor</p> <p>Powerglide - Place control lever in N or P position</p> <p>Initial Start - Depress accelerator pedal to floor and release. Turn ignition to Start and release as soon as engine starts.</p>		

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED	(*) 12-2-63
MODEL	6-Cylinder Engines		V-8 Engines				
	194 Cu. In. (Std)	230 Cu. In. (Opt)	283 Cu. In. (Std)	283 Cu. In. (Opt)			
	53-55-5700		54-56-5800				

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid	
	Pinion meshes (front, rear)		Rear	
	Number of teeth	Pinion	9	
		Flywheel	153	
Flywheel tooth face width		4010 - 4130		

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco - Remy			
	Model		#1115184		#1115115	
	Amps	Engine stopped	4.0			
Engine idling		1.8				
Distributor	Make		Delco - Remy			
	Model		#1110293	#1110321	#1111015	#1111051
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	600		800	600
		Intermediate points deg. @ rpm				
	Max deg. @ rpm		26° @ 2300	32° @ 4400	30° @ 4000	28° @ 3700
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	6		8	
		Intermediate points, deg @ in Hg				
	Max. deg. in. Hg.		● 21 @ 14.5		15 @ 15.5	
	Breaker gap (in.)		.019			
	Cam angle (deg.)		31° - 34°		● 28° - 32°	
Breaker arm tension (oz.)		19 - 23 oz.				
Timing	Crankshaft deg. @ rpm. ●		8° BTC @ 450-500		4° ± 1° @ 500	
	Mark location		Harmonic Balancer		Crk/Shft Puly hub Har. Balancer	
	Cylinder numbering system (see page 2)		Front to rear 1-2-3-4-5-6		Left bank 1-3-5-7 Right bank 2-4-6-8	
	Firing order (see page 2)		1-5-3-6-2-4		1-8-4-3-6-5-7-2	
Spark Plug	Make and model		AC 46N (Long Reach)		AC45	AC44
	Thread (mm)		14			
	Tightening torque (lb. ft.)		25			
	Gap		.033-.038			
Cable	Conductor type		Linen core impregnated with conducting material			
	Insulation type		Rubber with neoprene jacket			
	Spark plug protector		Neoprene			

ELECTRICAL—SUPPRESSION

Locations & type

Non-Metallic High Tension Ignition Cables

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 11-2-63 REVISED (*)

MODEL 53-5800 All Models except as indicated

ELECTRICAL-INSTRUMENTS AND SWITCHES

Speedometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator—type		57-5800, Gage; Balance, tell-tale lamp
Temperature indicator—type		57-5800, Gage; Balance, tell-tale lamp
Oil pressure indicator—type		57-5800, Gage; Balance, tell-tale lamp
Fuel indicator—type		Gage
Other		Clock, tachometer, cigarette lighter
Ignition switch	Identify positions in order and circuits controlled	2nd position CCW from vertical - ACC (accessories) 1st position CCW from vertical - LOCK (off, locked) Vertical - OFF (unlocked) 1st position CW from vertical - ON (ignition, batt., access.) 2nd position CW from vertical - Start (starter, spring return to on)
	Provision for illumination	Instrument lamps
	Location	Right of steering column on instru. cluster
Main lighting switch	Identify positions and lamps controlled	Full depressed - off 1st position - instru. panel, parking, tail and license lamps 2nd position - same as 1st position except headlamps in place of parking lamps CW rotation - instr. panel lamps dim to off CCW rotation - instr. panel lamps off to bright; full CCW rotation, (dome lamp and/or courtesy lamps on)
	Locations and lamps controlled	Toe panel - - - - - dimmer switch Glove compartment - - - - - glove comp. lamp Front door hinge pillars - dome and courtesy lamps Steering column - - - - - Direction signal indicators and lamps Brake pedal pendant - - - - - Stop lamps Steer. mast jacket - - - - - back up lamps exc. 57-5800 Pwrgld & all 4-seater Parking brake lever - - - - - park. brake alarm
Other switches	Locations and devices controlled	Rt. of steer. col., below instru. panel - overdrive Rt. of steer. col., base of instru. panel - heater controls Doors or quarter trim panels - - - - - power windows Rt. side of instru. cluster - - - - - radio Lt. side of instru. cluster - - - - - W/S wipers Lt. of steering col., below instru. panel - tailgate window motor Steer. column - - - - - trans. neut. safety switch Lt. side of frt. seat lower panel - power seats Lt. of steer. col., below instr. panel - power top W/S washer - - - - - W/S wiper switch
	Make	Delco
Windshield wiper	Type	Electric; single-speed except 57-5800, 2-speed
	Vacuum booster provision	None
	Washer provision	None
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	8.00-11.0 @ 12.5V

Optional equipment: Clock, 53-5400; tachometer with V-8 engines; glove comp. lamp, 53-5400; door jam switches for dome lamp, 53-5400; courtesy lamps, except convertibles; back up lamps except 55-56-57-5800; parking brake alarm; overdrive; Power windows; power seats; radio; tailgate window motor; except 3-seat wagon. Auto. transmission; power top; two-spee

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (•) 12-2-63

MODEL 53-5800 All Models except as indicated

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.

Headlamps & arrangement		Dual, Horizontal: Outer, 2-4002; Inner, 2-4001	
Headlamp beam indicator		1-1895	
Parking		2-1157	
Tail		2-1157	
Stop		2-1157	
Direction signal	Front	2-1157	
	Rear	2-1157	
	Indicator	2-1895	
License Plate		2-1155	
Oil pressure indicator		Except 57-5800, 1-1895; 57-5800, Gage by "Instrument" Lamps	
Charge indicator		Except 57-5800, 1-1895; 57-5800, Gage by "Instrument" Lamps	
Instrument		54&5600, 4-1895; 5800, 6-1895	
Clock		"Instrument" Lamps (a)	
Radio		1-1893	Optional
Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.			
Ignition lock		"Instrument" Lamps	
Back up		2-1156 (b)	
Dome (Except convertibles)		1-211	Reg. Prod.
Glove compartment		1-1895 (c)	
Prkg. brake signal		1-257	Optional
Luggage compartment (Except wagons)		1-1003	Optional
Underhood		1-93	Optional
Courtesy		Instru. Panel, 2-631 (d); seat separator, 1-211 (e)	
Ash Tray		1-1445	Optional
Auto. Trans. Indicator Dial		Except 57-5800, 1-1445; 57-5800, 1-1895	Optional
Tachometer		"Instrument" Lamps	
Traffic Hazard Indicator		1-1445	Optional
Spot Lamps		Inside operated, 1-4405; Portable, 1-4416	Optional

(a) Optional on 53-5400. On 56 and 5800 with Tachometer, Clock illuminated with 1-1895.

(b) Optional on 53-5400.

(c) Optional 53-5400.

(d) Optional Except Convertibles.

(e) Available only on 57-5800 with 4-speed or Automatic transmission.

Regular Production Lamps (Continued)

Heater Controls	1-1895
Temperature Indicator	Except 57-5800, 1-1895; 57-5800, Gage by "Instr." Lamps
Fuel Gage	"Instrument" Lamps

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (a)

MODEL 53-5800

All Models except as indicated

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

All fuses in fuse panel unless otherwise indicated

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (a).

Headlamp	(a) - - - 15 C. B.	(b) Traffic Hazard Indicator
Headlamp beam indicator	(a)	(f) - - Heater AGC 10; with A. C. AGC 30
Parking lamp	(a)	Air Conditioning
Tail lamp	(b) - - - AGC 15	In Line - - Blower Motor AGC 30
Stop lamp	(b)	(f) Circuit
Direction indicator	(c)	(f) Defogging Unit
License plate lamp	(b)	W/S Wiper (2-speed)
Instrument lamp	(c)	14 C. B. - - - Switch
Ignition lamp	- -	(g) Circuit
Back up lamp	(d) - - - AGC 10	Spot Lamp
Dome lamp	(b)	(b) Inside Operated
Clock	(b)	(b) Portable
Clock lamp	- - with Tach. (c)	Courtesy Lamps
Radio	(e) - - - AGC 2, 5	(b) Instru. Panel
Glove compartment lamp	(b)	(b) Seat Separator
Cig. Lighter	(b)	(d) Fuel Gage
W/S Wiper (Single Speed)	(g) - - - SAE 20	40 C. B. - - Folding Top Motor
Park. Brake Alarm	(d)	40 C. B. - - Power Seats
Gen. Temp. & Oil Indicators	(d)	40 C. B. - - Power Windows
Tachometer	(d)	40 C. B. - - Tailgate Motor
Heater Control Lamp	(c)	In Line - - - Overdrive Solenoid AGC 15
Auto. Trans. Dial Indicator	(c)	
Underhood Lamp	In Line - - - SAE 4	
Lugg. Compmt. Lamp	(b)	
Ash Tray Lamp	(c)	

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

		Lowest	29.3 (27.9 on wagons)	
		Highest	29.3 (27.9 on wagons)	
Height above ground to center of bulb	Tail			
	Stop		29.3 (27.9 on wagons)	
	Backup		24.1 (24.9 on wagons)	
	License, rear		18.1 (18.6 on wagons)	
	Directional	Front		16.9 (17.4 on wagons)
		Rear		29.3 (27.9 on wagons)
	Headlamp	Inside		26.9 (27.4 on wagons)
		Outside*		26.9 (27.4 on wagons)
	Distance from C/L of car to center of bulb	Tail	Inside	30.1 (32.4 on wagons)
			Outside	30.1 (32.4 on wagons)
Stop			30.1 (32.4 on wagons)	
Backup			30.1 (32.4 on wagons)	
License, rear			7.2	
Directional		Front		25.8
		Rear		30.1 (32.4 on wagons)
Headlamp		Inside		23.0
	Outside*		29.4	

* If single headlamps are used enter here.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (e)

MODEL 53-5800 All Models except as indicated

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	All except V-8's with 4-speed-Chevrolet, single dry disk (a)	
Type pressure plate springs	All except V-8's with 4-speed-diaphragm (b)	
Effective plate pressure (lb.)	(c)	
No. of clutch driven discs	One with two friction surfaces	
Clutch facing	Material	(d)
	Outside & inside dia.	L6's with 3-speed and OD-9, 12, 6, 12 (e)
	Total eff. area (sq.in.)	L6's with 3-speed and OD-71.8 (f)
	Thickness	.135 each unloaded
	Engagement cushioning method	Flat spring steel between facings
Release bearing	Type & method of lubrication	Single row ball, packed and sealed
Torsional damping	Methods: springs, friction material	Coil springs

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-speed Standard; 4-speed Optional with V-8 engines	
Manual with overdrive (std. or opt.)	Optional	
Automatic (std. or opt.)	Optional	

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	All L-6 3-speeds	All V-8 3-speeds	All V-8 4-speeds	
Transmission ratios	In first	2.94	2.58	
	In second	1.68	1.48	
	In third	1.00	1.00	
	In fourth	--	--	
	In reverse	2.94	2.58	
Synchronous meshing, specify gears	2nd and 3rd		All forward gears	
Shift lever location	Steering column		Floor	
Lubricant	Capacity (pt.)	2		
	Type recommended	Meeting Military Specification MIL-L-2105-B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
Extreme cold		SAE 80		

- (a) V-8's with 4-speed; Chevrolet, single dry disk, centrifugal.
- (b) V-8's with 4-speed; Diaphragm, bent finger design.
- (c) Reg. Production L6 with: 3-speed and OD-1250-1450; Heavy Duty-1900-2200. Optional L6 with: 3-speed --1500-1800; OD - 1700-1950; Heavy Duty - 1900-2200. Reg. Production and Optional V-8 with: 3-speed and OD-1700-1950; 4-speed-2100-2300.
- (d) Woven asbestos except L-6's with Heavy Duty clutch-woven front and molded rear facings; V-8's with 4-speed-premium woven asbestos.
- (e) L-6's with Heavy Duty clutch - 10.0, 6.0; V-8's with 3-speed and OD-10.0, 6.5; V-8's with 4-speed 10.4, 6.5.
- (f) L-6's with Heavy Duty - 100.5; V-8's with 3-speed and OD-90.7; V-8's with 4-speed 103.5.

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MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (•) 12-2-63

MODEL <u>53-5800</u>	REGULAR PRODUCTION RPO 6-L61 L-6 ENGINE	REGULAR PRODUCTION RPO 6-L77 V-8 ENGINE
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DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		Planetary	
	Manual lockout (yes, no)		Yes	
	Downshift accelerator control (yes, no)		Yes	
	Minimum cut-in speed		Output shaft RPM: 1100 Deceleration: 1440 Acceleration: 1440	
	Gear ratio		7:1	
	Lu- bri- cant	Capacity (pt.) (Overdrive only)		1
		Separate filler (yes, no)		No
		Type recommended		Meeting Military Spec. MIL-L-2105-B
		SAE vis- cosity number	Summer	SAE 80
			Winter	SAE 80
Ext. cold	SAE 80			

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide		
Type describe	Torque converter with planetary gears		
Method of Selection (Lever, Push Button or other)	Lever (Floor mounted on 57-5800 models, st. column on all other)		
Selector Pattern	P-R-N-D-L		
List gear ratios Selector Pattern and indicate which are used in each selector position	D-1.82:1 to 1:1 L and R-1.82:1		
Max. upshift speeds—drive range	49	54	59
Max. kickdown speeds—drive range	46	51	56
Torque converter	Number of elements		
	Max. ratio at stall		
Lubricant	Type of cooling (air, water)		
	Capacity—refill (pt.)		
Special transmission features	Type recommended		
	Type A, Suffix A		

DRIVE UNITS—PROPELLER SHAFT

Number used	One		
Type (exposed, torque tube)	Tubular, exposed		
Outer diameter x length* x wall thickness	Manual transmission		3-and 4-Speed; 3.25 x 60.137 x .065
	Overdrive transmission		Same as Manual
	Automatic transmission		Same as Manual

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

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (*)

MODEL 53-5800

All Models except as indicated

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Universal joints	Make	Chevrolet
	Number used	2
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

DRIVE UNITS—REAR AXLE

Description (see instructions)	Regular Prod. -Semi-Floating; Integral rear beam consisting of cast iron differential carrier with pressed-in tubular rear axle		
Limited Slip differential, type	Regular Production with dual disk clutches (shaft housings)		
Drive Pinion Offset	1.5		
No. of differential pinions	2		
Gear ratios (Std. equip.)	Manual transmission	53-5500 Series station wagons - 3.36:1; remainder-3.08:1	
	Overdrive transmission	3.70:1	
	Automatic transmission	Same as Manual	
Ring gear O.D. (std. ratio)	8.125		
Pinion adjustment (shim, other)	Shim		
Pinion bearing adj. (shim, other)	None		
Wheel bearing type	Single row cylindrical roller		
Lubricant	Capacity (pt.)	3.5	
	Type recommended	Meeting Military Specification MIL-L-2105-B	
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
		Extreme cold	SAE 80

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	3.08:1	3.36:1	
No. of teeth	Pinion	12	11
	Ring gear	37	

AMA Specifications - Passenger Car

MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 9-23-63 **REVISED** (a) 12-2-63

MODEL 53-5800 All Models except as indicated

DRIVE UNITS—WHEELS

Type & material		Short Spoke Disk, Steel
Rim (size and flange type)	Std.	14 x 5J
	Opt.	
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 Hex Nuts, 7/16-20 UNF-2B

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	Sta. Wgns and Pickups - 7.00 x 14-4PR; Balance-6.50x14-4PR
	Type - Nylon, etc.	Rayon, Tubeless, Blackwall
	Rev./mile at 50 mph.	6.50 x 14-815; 7.00 x 14-817
Inflation press.(cold)	Front	24
	Rear	24 lb except Wagons, 28 lb
Optional tires - size and ply		7.00 x 14-4PR, Hyway, Rayon, Whitewall; 7.50 x 14-4PR(*), Hywa Nylon, Blackwall; 7.50x14-4PR(*), Hyway, Nylon, Whitewall; 7.50x14-4PR, Hyway, Rayon, Whitewall; 7.50x14-6PR(**), Hyway Rayon, Blackwall; 7.50x14-4PR, Hyway, Rayon, Blackwall (a)

BRAKES—SERVICE

		Regular Production	Metallic
Type (duo-servo, disc, balanced, etc.)		Duo-Servo, 4-Wheel Hydraulic; Reverse Self-Adjusting	
Self adjusting (std., opt., N.A.)		Standard	
Hydraulic system type (single, dual, etc.)		Single	
Power brake make & type (remote, integral, etc.)		Bendix or Delco-Moraine vacuum power unit assisting Master cylinder; Integral	
Effective area (sq. in.)*		170.8	118.1
Gross lining area (sq. in.)**		170.8	118.1
Swept drum area (sq. in.)***		228.6	
Percent brake effectiveness—front		59.5	
Drum	Diameter	Front	9.5
		Rear	9.5
	Type and material	Composite; Rim, Cast Iron; Web, Steel	
Wheel cylinder bore	Front	1.06	
	Rear	.875	
Master cylinder bore		1.0	.875
Available pedal travel		6.70	
Line pressure at 100 lb. pedal load			
Shoe clearance adjustment		Self Adjusting	

* Excludes rivet holes, grooves, chamfers, etc.
 ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept areas for four brakes

(Continued)

Widest lining contact width for each brake x its drum circumference.
 (a) Also: 6.50 x 14-4PR, Hyway, Rayon, Whitewall.

- * - Items indicated "*" 4 ply construction.
- ** - Items indicated "**" 6 ply construction.

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MODEL 53-5800 All Models except as indicated

BRAKES—SERVICE (cont.) Regular Production				Metallic	
		Bonded		Welded	
Brake lining	Bonded or riveted		Bonded		
	Front Shoe	Material		Molded asbestos	
		Size (length x width x thickness)	Front wheel	8.96 x 2.50 x .17	
			Rear wheel	8.96 x 2.00 x .17	
		Segments per shoe		1	
	Material		Sintered Iron		
	Rear Shoe	Size (length x width x thickness)	Front wheel	10.24 x 2.50 x .20	
			Rear wheel	9.75 x 2.00 x .20	
Segments per shoe		1			
Material		Sintered Iron			

BRAKES—PARKING

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

FRAME or UNITIZED CONSTRUCTION

Type and description All welded full length, ladder type with 3 structural crossmembers and 1 non-structural crossmember for engine rear mount

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for acc. squat control	Geometry of rear suspension	
Special provisions for car-jacking	Bumper jack provided; apply just outboard of bumper bolt at wheel requiring jacking	
Shock absorber front & rear	Type	Direct, double-acting, hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features	Driveline alignment achieved with cam-bolts at rear suspension upper control arm rear pivots	

SUSPENSION—FRONT

Type and description	Independent- SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel
----------------------	---

* Air Suspension:
Air spring type
Compressor data
type
make
drive ratio

Normal operating pressures
spring rates
leveling data

(Continued)

AMA Specifications – Passenger Cars

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (*)12-2-63

MODEL 53-5800 All Models except as indicated

SUSPENSION FRONT (cont.)

Spring	Type	Coil	
	Material	L-6	Steel alloy V-8
	Size (coil design height & I.D.; bar length x dia.)	10.51 and 3.63; 134.39 x .591	10.51 and 3.63; 134.39 x .591
	Spring rate (lb. per in.)	245	245
	Rate at wheel (lb. per in.)	90.5	90.5
	Design load (lb. @ design height)	10.51 @ 1590	10.51 @ 1620
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	Steel .812	

STEERING

Manual (std., opt., NA)		Standard	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: tilt achieved with universally-jointing steering shaft at base of steering wheel; 5 inch vertical travel range	
	(std., opt., NA)	Optional with Power Steering except with 3-speed	
Wheel diameter	Manual	16.5	
	Power	16.5	
Turning diameter	Outside front	Wall to wall (l. & r.)	44.7
		Curb to curb (l. & r.)	41.9
	Inside rear	Wall to wall (l. & r.)	44.7
		Curb to curb (l. & r.)	26.6
Outside wheel angle with inside wheel at 20°		18.41°	
Manual	Gear	Type	Semi-reversible, recirculating ball nut with rag coupling for jointing steering shaft
		Make	Saginaw
		Ratios	Gear 24.0:1 Overall 28.0:1
	No. wheel turns		5.48 Lock to lock
	Type (coaxial, linkage, etc.)		Hydraulic: Control valve integral and coaxial with steering gear
Power	Make		Saginaw
	Gear	Type	Same as Manual
		Ratios	Gear 17.5:1 Overall 20.4:1
		Pump driven by	
	Number wheel turns		3.98 Lock to lock
	Linkage	Type	
Location (front or rear of wheels, other)		Front of wheels	
Drag link (trans. or longit.)		None	
Tie rods (one or two)		2	

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (●) 12-2-63

MODEL 53-5800 All Models except as indicated

STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		7-1/2 to 8-1/2
	Bearings (type)	Upper	Ball stud with non-metallic bearing surface
		Lower	Ball stud with non-metallic bearing surface
	Thrust		None required
Wheel alignment (range and preferred)	Caster		Positive 10 <u>minutes</u> to positive 70 <u>minutes</u> (curb)
	Camber		Negative 13 <u>minutes</u> to positive 47 <u>minutes</u> (curb)
	Toe-in (outside tread- inches)		0 to 1/8 total (curb)
Steering spindle & joint type			Forging with pad for mounting brake cylinder, spherical
Wheel spindle	Diameter	Inner bearing	1.2493-1.2498
		Outer bearing	.7492-.7497
	Thread size		3/4-20 NEF 3 (modified)
	Bearing type		Taper roller

SUSPENSION—REAR

Type and description			4-link system; two upper and two lower control arms	
Drive and torq. taken through (see page 17)			Control arms	
Spring	Type		Coil	
	Material		Steel alloy	
	Size (length & width, coil design height and I.D.; bar length & dia.)		7.18 and 5.5; 108.34 x .536	
	Spring rate (lb. per in.)		115	
	Rate at wheel (lb. per in.)		110.5	
	Design load (lb. at design height)		7.18 @ 735	
	Mounting insulation type		None	
	If leaf	No. of leaves		--
		Inserts	Type and size	--
			Material	--
Shackle (comp. or tens.)		--		
Stabilizer	Type (link, linkless, frameless)		None	
	Material		None	
Track bar type			None	

AMA Specifications – Passenger Car

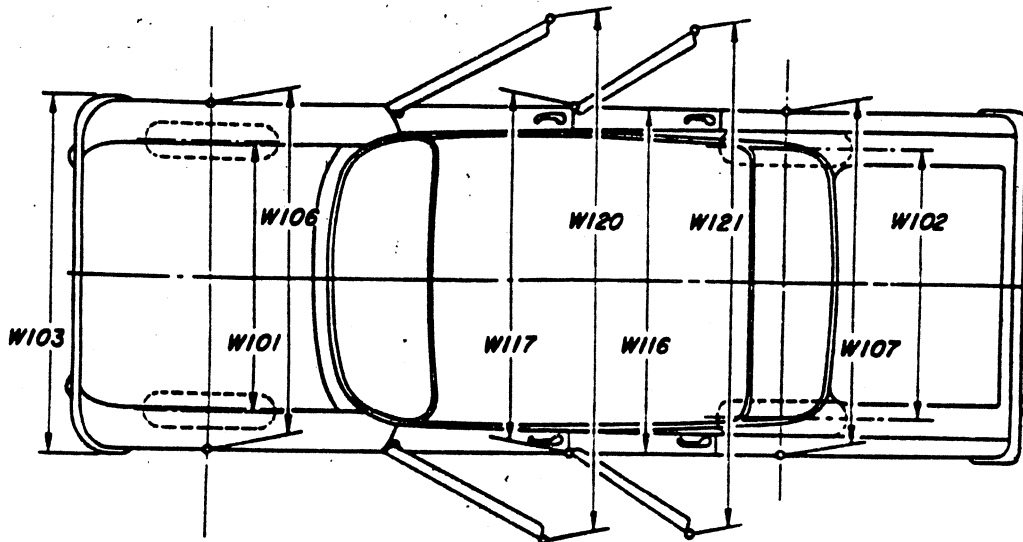
MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (9)

CAR AND BODY DIMENSIONS—GENERAL

Dimensions herein are those adopted by the Society of Automotive Engineers. Brief descriptions of these dimensions are listed on pages 34-36. Complete definitions are listed in section E-1 of the SAE Aeronautical - Automotive Drawing Standards. The dimensions are developed from the following basic points:

1. Body dimensions are for all body styles.
2. All interior dimensions are taken with manikin 15.0 inches outboard of car centerline unless otherwise stated.
3. All interior dimensions are measured with the front seat in the lowest and rearmost position.
4. Unless otherwise specified, all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
5. The SAE manikin with 90th percentile leg length will be used for recording purposes.
6. The H Point is the pivot center of the manikin's torso and thigh.
7. The D Point is the point of tangency of a horizontal line and the lowest point of the manikin.
8. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

EXTERIOR WIDTH DIMENSIONS

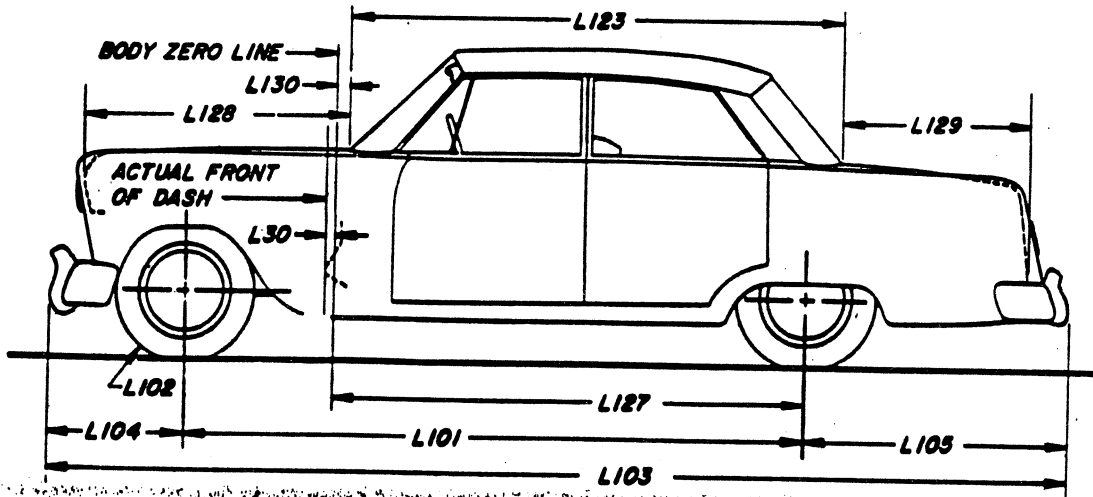


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Tread - front	W101				58.0			
Tread - rear	W102				58.0			
Maximum overall car width	W103				73.2			
Maximum overall body width	W116				74.0			
Maximum body width at #2 pillar	W117	--	71.8		--		71.8	--
Front fender overall width	W106				72.4			
Rear fender overall width	W107				73.8			
Maximum overall car width - front doors open	W120	151.5	133.9		151.5		133.9	151.5
Maximum overall car width - rear doors open	W121	--	133.9		--		133.9	--

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED(◊)

EXTERIOR LENGTH DIMENSIONS

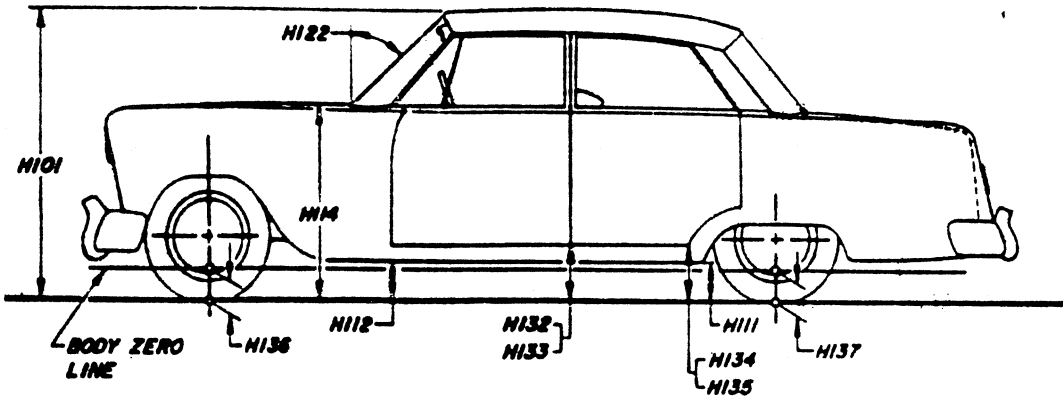


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Body zero line to actual front of dash	L30	.0						
Wheelbase	L101	115.0						
Overhang - front	L104	30.9						
Overhang - rear	L105			48.0			52.9	53.0
Overall length	L103			193.9			198.8	
Hood length at car centerline	L128	50.4						
Body upper structure length at car centerline	L123	96.4		93.2	92.2	132.7	-	
Deck length at car centerline	L129	38.1		41.4	42.3			
Body zero line to centerline of rear wheels	L127	85.0						
Body zero line to windshield cowli point	L130	10.7						
Tire size	L102	Refer to Page 18						

AMA Specifications— Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-62 REVISED (a)

EXTERIOR HEIGHT DIMENSIONS

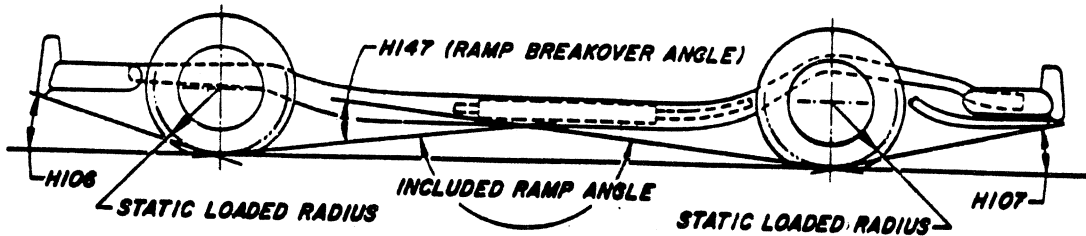
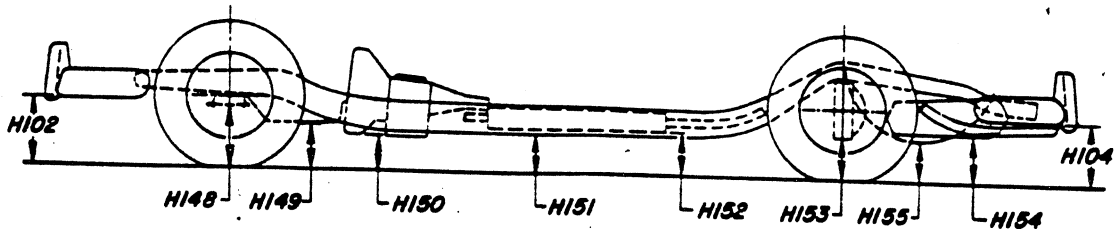


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Overall height	H101	54.5			54.0	54.1		
Hood at rear to ground	H114				31.9			
Rocker panel to ground - front	H112				8.8			
Rocker panel to ground - rear	H111				8.1			--
Bottom of door to ground, open - front	H132				11.4			
Bottom of door to ground, closed - front	H133				11.1			
Bottom of door to ground, open - rear	H134	--	10.8		--	10.8		--
Bottom of door to ground, closed - rear	H135	--	11.0		--	11.0		--
Windshield slope angle	H122				48.8°			
Body zero to ground - front	H136				5.0			
Body zero to ground - rear	H137				5.0			

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GROUND CLEARANCE DIMENSIONS

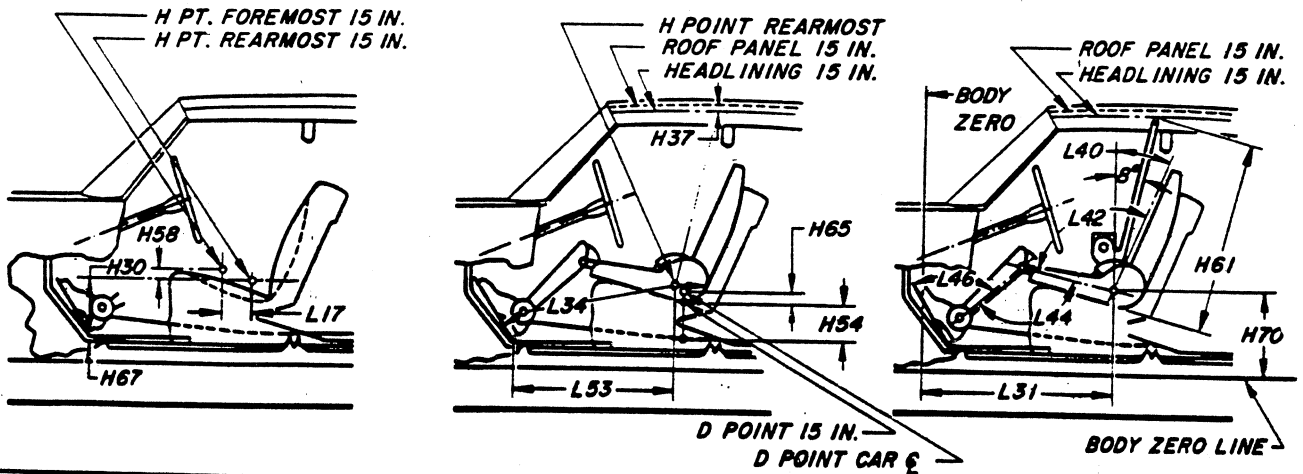


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Front bumper to ground	H102	13.5		13.4		12.7		
Rear bumper to ground	H104			13.5		10.3		
Angle of approach	H106			29.1°		30.0°		30°
Angle of departure	H107	15.6°		16.3°		12.4°		12°
Ramp breakover angle	H147			13°				
Front suspension to ground	H148			6.3		6.8		6.3
Oil pan to ground	H149			6.7		7.2		6.7
Flywheel housing to ground	H150			6.6		7.1		6.6
Frame structure to ground	H151			6.9		7.4		6.9
Exhaust system to ground	H152			6.0		6.5		6.0
Rear axle differential to ground	H153			7.0		7.5		7.0
Fuel tank to ground	H154			8.6		7.9		8.6
Spare tire well to ground	H155							
Minimum running ground clearance	H156			6.0		6.5		6.0

AMA Specifications—Passenger Car

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FRONT COMPARTMENT DIMENSIONS



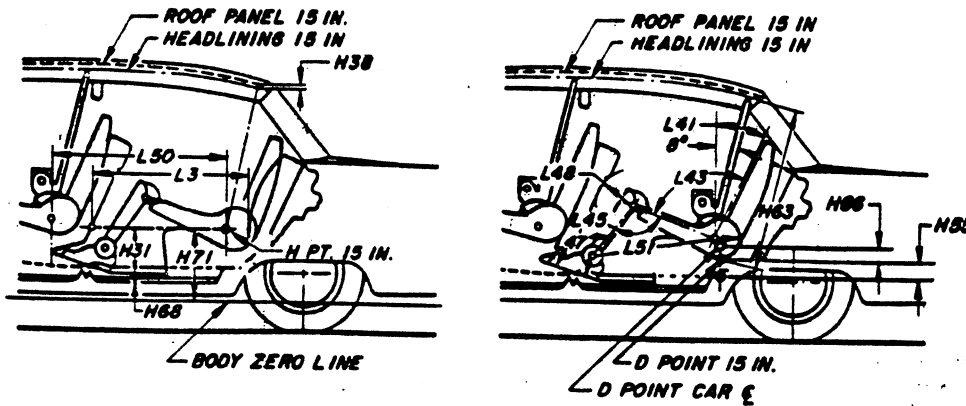
MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point to body zero line	L31	42.1	42.0	41.9	42.0	41.9	42.1	41.9		
H Point to body zero line - front	H70	19.3	19.3	18.8	19.3	19.2	19.8	19.3		
Effective head room	H61	38.6	38.1	37.9	38.7	38.6	38.2	38.7		
Headlining to roof height	H37	.6	.5				.9	.7		
Maximum effective leg room - accelerator	L34	42.0	41.9	41.8	41.9	41.8	42.1	41.8		
H Point to heel point	H30	8.3	8.2				8.3	8.0		
Depressed floor covering thickness	H67	.2	.3	.5	.3	.5	.5	.2		
Back angle	L40	26°	27°				26°	25°		
Hip angle	L42	98°	97°				98°	95.5°		
Knee angle	L44	129°	128°				130°	127°		
Foot angle	L46	88°	87°				89°	87°		
D Point differential, side to center	H65	.2	-				.2	.1		
D Point to tunnel	H54	1.7		-	1.7	-	1.7	1.4		
H Point to accelerator floor point	L53	34.4		34.2			34.4	34.1		
H Point travel	L17			4.0				3.4		
H Point rise	H58			.6				.5		

(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED(*)

REAR COMPARTMENT DIMENSIONS



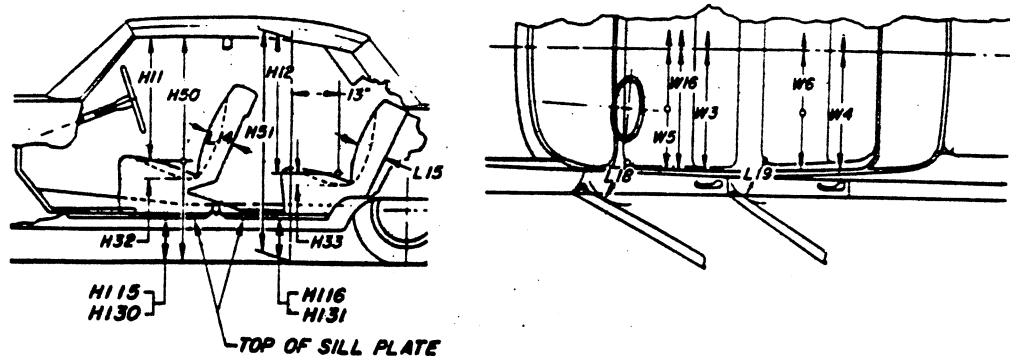
MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point couple distance	L50	33.6		31.5	31.6	31.5	31.6	33.6		--
H Point to body zero line - rear	H71	19.2		19.0	18.8	19.0		19.8		--
Effective head room	H63	37.3		36.7	36.7	36.8	36.8	38.4		--
Headlining to roof height	H38	.6		.7	-	.7	-	.8		--
Minimum effective leg room	L51	35.9	36.3	33.3	33.2	33.3	33.2	36.1		--
A Point to heel point	H31	10.8		10.4				10.8		--
Depressed floor covering thickness	H68					.4				--
Minimum knee room	L48	3.6		1.9	1.7	1.9	1.7	3.6		--
Rear compartment room	L3	27.4		25.3	25.1	25.1	24.9	27.2		--
Back angle	L41	27°		25°		24°		27°		--
Hip angle	L43	88°		81.0°	81.5°	79.5°	80.0°	88°		--
Knee angle	L45	94°	96°	82°				95°		--
Foot angle	L47	116°	117°	109°				116°		--
D Point differential, side to center	H66	.7		1.2		1.0		.8		--
D Point to tunnel	H55	1.9		1.7		1.5		1.9		--

(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED()

SEAT AND ENTRANCE DIMENSIONS



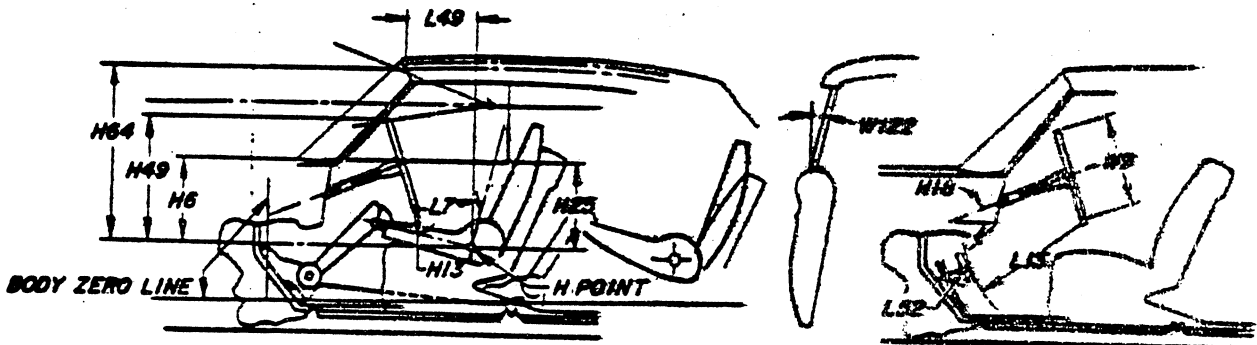
	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
Shoulder room - front	W3	58.8								
Hip room - front	W5	59.9								
Seat width - front	W16	53.8		23.3	53.8	23.3	53.8			
Upper body opening to ground - front	H50	NA								
Entrance height - front	H11	29.9	30.4	30.2	30.4	30.3	29.9	29.9		
Step height - front (design load)	H115	13.3	13.2				12.9			
Step height - front (curb load)	H130	15.3	15.2				15.8			
Entrance foot clearance - front	L18	15.1		14.8	15.1	14.8	14.9			
Seat cushion deflection - front	H32	4.2	4.4	4.3	4.4	4.3	4.4	4.3		
Seat back thickness - front	L14	5.9		6.4	5.9	6.4	5.9			
Shoulder room - rear	W4	57.4	58.8	56.8		45.6		57.4	58.8	--
Hip room - rear	W6	58.7	59.8	58.7		48.6		58.7	59.8	--
Upper body opening to ground - rear	H51	NA								
Entrance height - rear	H12	--	29.4	--		--		29.7	--	
Step height - rear (design load)	H116	--	13.1	--		--		13.0	--	
Step height - rear (curb load)	H131	--	15.1	--		--		15.0	--	
Entrance foot clearance - rear	L19	11.5	11.7	10.6		10.7		11.5	11.7	--
Seat cushion deflection - rear	H33	4.4		4.8		4.4		--		
Seat back thickness - rear	L15	6.4		6.1	7.0		6.1		--	

(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (6)

VISION AND CONTROL DIMENSIONS



MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup	
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.		
H Point to windshield bottom DLO	H6	18.8		18.7	18.8	18.7		18.8		19.1	
H Point to windshield upper DLO	H64	30.9		30.7	31.0	30.9		30.9		31.2	
H Point to windshield upper DLO	L49	14.5	14.4	14.3	14.4	14.2		14.5		14.4	
Belt height - front	H25	17.1		17.0	17.1	17.0		17.1		17.4	
Steering wheel center to centerline of car	W7	15.2									
Steering wheel maximum outside diameter	W9	16.5									
Steering column angle - horizontal	H18	19.5°									
H Point to top of steering wheel	H49	23.2	23.1	23.0	23.1	23.0		23.1		23.4	
Steering wheel torso clearance	L7	11.1		11.0	11.1	11.0		11.4		11.2	
Steering wheel thigh clearance	H13	4.3	4.2	4.0	4.2	4.0		4.0		4.3	
Brake pedal knee clearance	L13	24.4									
Brake pedal to accelerator	L52	4.8	4.4	4.5	4.4	4.5			4.4		
Tumble-home	W122	18.0°							17.8°		18°

(a) Bench seat; (b) bucket seat

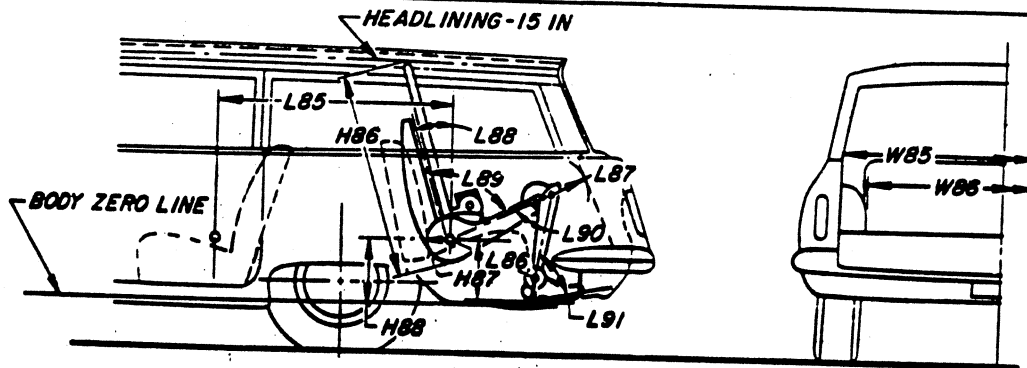
AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED(•)

LUGGAGE COMPARTMENT

MODEL	Ref. No.	Sedans	Sport Coupe	Convertible	Station Wagon	Sedan Pickup
Usable luggage capacity (See instructions)		16.9 cu. ft.				
Liftover height	H195	22.8			18.3	
Position of spare tire storage		Horizontal, to right rear of trunk floor			R.r.r. quarter	Back of frt. seat
Method of holding lid open		Torsion bars, counterbalanced				

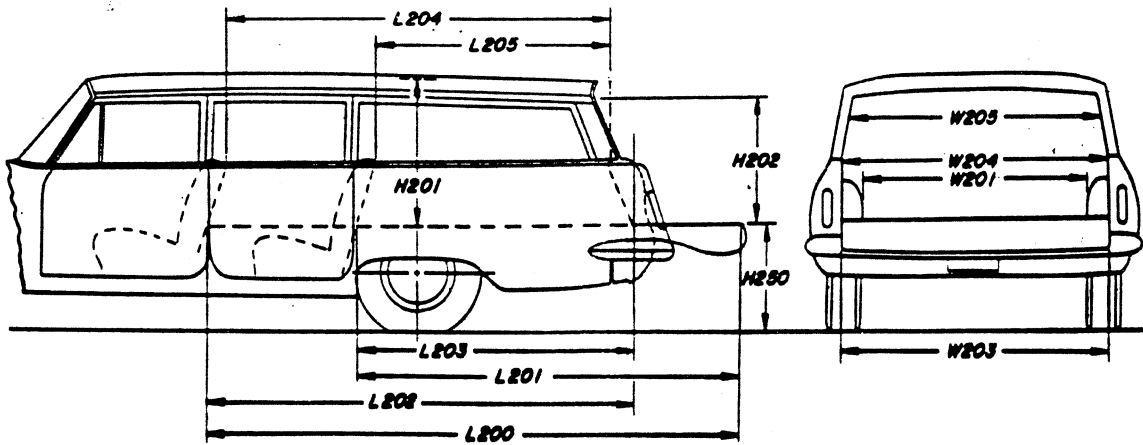
THIRD SEAT DIMENSIONS



MODEL	Ref. No.	
		5545-5645
Seat facing direction		Rearward
Shoulder room	W85	57.9
Hip room	W86	36.7
H Point couple distance	L85	39.6
H Point to body zero line - third seat	H88	NA
Effective head room	H86	35.9
Effective leg room	L86	30.8
H Point to heel point	H87	12.4
Knee room	L87	10.1
Back angle	L88	28°
Hip angle	L89	87°
Knee angle	L90	72°
Foot angle	L91	103°

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED ^(a)

STATION WAGON—CARGO SPACE DIMENSIONS



MODEL	Ref. No.	2-Seat	3-Seat
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200		116.6
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201		83.6
Floor length from back of front seat at floor level to inside of closed tail gate	L202		92.1
Floor length from back of second seat at floor level to inside of closed tail gate	L203		59.1
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204		80.8
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205		46.5
Maximum width of cargo space at floor - specify location	W200		58.6
Minimum distance between wheel houses at floor level	W201		44.4
Rear end opening width at floor	W203		55.3
Rear end opening width at belt	W204		53.0
Maximum width of rear opening above belt	W205		45.7
Maximum height - floor covering to headlining at centerline of rear axle	H201		31.3
Maximum height of rear opening - tail and lift gates open	H202		28.5
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250		20.4
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		Hinged tailgate with folding link supports and manual retractable rear window (a)	
Cargo volume index (cu. ft.) W4 x L204 x H201 1728			86.0

(a) Electrically operated rear window on 3-seat wagon, standard equipment; optional on 2-seat wagons.

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	9-23-63	REVISED (a)
MODEL	Sedans	Sport	Convertible		Station Wagon	Sedan
	2-Dr	4-Dr			Coupe	2-Dr

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front					
	Rear doors	Front					
Type of finish (lacquer, enamel, other)	Acrylic lacquer						
Hood counterbalanced (yes, no)	Yes						
Hood release control (internal, external)	External						
Vehicle (Serial) No. Location	Left front body hinge pillar						
Engine No. Location	6-cyl. - on crankcase, RH side of engine, rear of distributor 8-cyl. - on top front of RH bank of cylinder and case						
Theft protection - type							
Vent window control method (crank, friction pivot)	Front	Friction Pivot					
	Rear	None					
Seat cushion type	Front	Formed wire and foam pad					
	Rear	Formed wire and jute and cotton					
	3rd seat	Formed wire and jute and cotton					
Seat back type	Front	Formed wire and cotton (a)					
	Rear	Formed wire and cotton					
	3rd seat	Formed wire and cotton					
Windshield glass type (i.e., single curved - laminated plate)	One piece curved						
Backlight glass type (i.e., compound curved - tempered plate, three piece)	One piece curved	Plastic	One piece curved				
Side glass type (i.e., curved - tempered plate)	Curved						
Side glass exposed surface area	1406.9	1356.2	1395.6	1281.4	2529.6	2560.6	839.2
Windshield glass exposed surface area	1107.1						
Backlight glass exposed surface area	1032.3	897.7	786.2	768.4	665.2		
Total glass exposed surface area	3446.3	3495.6	3400.4	3174.7	4415.1	4436.1	2611.5

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

Power windows	Side Windows	Optional				
	Vent Windows	NA				
	Backlight or tailgate	Standard on 3-seat wagon, optional on 2-seat.				
Power seats (specify type as well as availability)	4 way electric optional - NA on buckets					
Reclining front seat back	NA					
Front seat headrest	NA					
Radios (specify type as well as availability)	Manual, push button optional					
Rear seat speaker	Optional					
Power Antenna	NA					
Clock	Std. on 55-56-57-5800; optional 53-5400					
Air Conditioner (specify type and availability)	All-weather, Deluxe, optional					

(a) 1" Polyfoam on Malibu Super Sport.

WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
	Front	Rear	Total	Pass. In Front		Pass. In Rear		
				Front	Rear	Front	Rear	
CHEVELLE 300		6-cyl.	8-cyl.					6-cyl. 8-cyl.
5311-5411 2-Door Sedan		2970	3110	31	69			2825 2950
5335-5435 4-Door St. wag.		3275	3410	31	69			3130 3250
5315-5415 2-Door St. wag.		3195	3330	31	69			3050 3170
5369-5469 4-Door Sedan		3000	3135	31	69			2850 2980
MALIBU		6-cyl.	8-cyl.					6-cyl. 8-cyl.
5545-5645 4-Door St. wag.		3390	3520	22	78			3240 3360
5535-5635 4-Door St. wag.		3290	3420	31	69			3140 3260
5537-5637 2-Dr. Spec Cpe		2995	3130	38	62			2850 2970
5567-5667 2-Dr Convert.		3145	3280	38	62			2995 3120
5569-5669 4-Door Sedan		3015	3150	31	69			2870 2990
MALIBU SUPER SPORT		6-cyl.	8-cyl.					6-cyl. 8-cyl.
5737-5837 2-Dr. Spec Cpe		3025	3155	38	62			2875 3000
5767-5867 2-Dr Convert.		3170	3300	38	62			3020 3140
El Camino								
5380-5480 2-Dr. Sed pickup		3080	3215	12	88			2935 3050
5580-5680 2-Dr. Sed pickup		3080	3215	12	88			2935 3050
Accessories & Equipment Differential Weights		6-cyl.	8-cyl.					Remarks
Air conditioning, (a)		+122	+125					
Air conditioning, (b)		+ 95	+105					
Brakes, power		+ 10	+ 10					
Heater, deduct		- 23	- 23					
Radio, manual		+ 7	+ 7					
Radio, push button		+ 9	+ 9					
Seat, 4-way power		+ 20	+ 20					
Transmission, Powerglide		+ 16	+ 16					
Transmission, 4-Speed		+ 1	+ 1					
Window, power		+ 20	+ 20					
Transmission, overdrive		+ 29	+ 29					
Steering, power		+ 28	+ 28					

* These are weights that are reported to states for licensing purposes.

(a) Custom Deluxe

DIMENSION DEFINITIONS

- W3** SHOULDER ROOM - FRONT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W4** SHOULDER ROOM - REAR. Measured in the same manner as W3.
- W5** HIP ROOM - FRONT. The lateral dimension through H Point to trimmed surfaces.
- W6** HIP ROOM - REAR. Measured in the same manner as W5.
- W7** STEERING WHEEL CENTER TO CENTERLINE OF CAR. Measured horizontally from steering wheel center to centerline of car. The point at steering wheel center is located in the surface plane of wheel.
- W9** STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
- W16** SEAT WIDTH - FRONT. The maximum trimmed width of front seat cushion.
- W85** SHOULDER ROOM - THIRD SEAT. Measured in the same manner as W3.
- W86** HIP ROOM - THIRD SEAT. Measured in the same manner as W5.
- W101** TREAD - FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102** TREAD - REAR. Measured at centerline of tires at ground.
- W103** MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions.
- W106** FRONT FENDER OVERALL WIDTH. Measured at centerline of front wheels, excluding moldings.
- W107** REAR FENDER OVERALL WIDTH. Measured at centerline of rear wheels, excluding moldings.
- W116** MAXIMUM OVERALL BODY WIDTH. Measured across body, excluding hardware and applied moldings, but including fenders when integral with body.
- W117** MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.
- W120** MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN. Measured with front doors in maximum hold-open position.
- W121** MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN. Measured in same manner as W120.
- W122** TUMBLE-HOME. The angle from vertical to the front door glass outer surface or the chord of a curved door glass, measured at the front H Point station.
- L3** REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at a height tangent to the top of rear seat cushion.
- L7** STEERING WHEEL TORSO CLEARANCE. The minimum distance from the back edge of steering wheel, in straight-ahead position, to the Torso Line.
- L13** BRAKE PEDAL KNEE CLEARANCE. The minimum dimension from the lower edge of the steering wheel to the brake pedal face centerline.
- L14** SEAT BACK THICKNESS - FRONT. The maximum thickness of the seat back, excluding bolsters.
- L15** SEAT BACK THICKNESS - REAR. Measured in the same manner as L14.
- L17** H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- L18** ENTRANCE FOOT CLEARANCE - FRONT. The minimum horizontal dimension between seat and normal line of door or pillar at a height between the sill plate bead and 4.0 inches above the bead. Door should be in the maximum hold-open position.
- L19** ENTRANCE FOOT CLEARANCE - REAR. Measured in the same manner as L18 on four-door models. On two-door styles, the minimum dimension between rear corner of front seat, with front seat back tilted forward, and trimmed lock pillar, built-in quarter armrest panel, or rear seat cushion at a height between the sill plate bead and 4.0 inches above the bead.
- L30** BODY ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L31** H POINT TO BODY ZERO LINE - FRONT. Horizontal dimension.
- L34** MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the right foot on accelerator pedal.
- L40** BACK ANGLE - FRONT. The angle between a vertical line through the H Point and the Torso Line.
- L41** BACK ANGLE - REAR. Measured in the same manner as L40.
- L42** HIP ANGLE - FRONT. The angle between Torso Line and a line extending from knee pivot center to H Point.
- L43** HIP ANGLE - REAR. Measured in the same manner as L42.
- L44** KNEE ANGLE - FRONT. The angle between a line from H Point to knee pivot center and a line from the knee pivot center to the ankle pivot center.
- L45** KNEE ANGLE - REAR. Measured in the same manner as L44.
- L46** FOOT ANGLE - FRONT. The angle between a line extended from the knee pivot center through the ankle pivot center and a line tangent to the sole and heel of manikin bare foot.
- L47** FOOT ANGLE - REAR. Measured in the same manner as L46.
- L48** MINIMUM KNEE ROOM - REAR. The minimum dimension from the knee pivot center to the back of front seat back.
- L49** H POINT TO WINDSHIELD UPPER DLO. The horizontal dimension from H Point to the point of tangency of horizontal line of vision (described in dimension H64) with body upper structure.

DIMENSION DEFINITIONS (cont.)

- L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- L51 MINIMUM EFFECTIVE LEG ROOM – REAR. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the foot positioned to nearest interference between seat structure and toe, instep or lower leg.
- L52 BRAKE PEDAL TO ACCELERATOR. The minimum dimension from center of brake pedal face to accelerator. Measured in the side view.
- L53 H POINT TO ACCELERATOR FLOOR POINT. The horizontal dimension from intersection of accelerator and depressed floor covering to the H Point.
- L85 H POINT COUPLE DISTANCE - THIRD SEAT. The horizontal dimension from the second seat H Point to the third seat H Point.
- L86 EFFECTIVE LEG ROOM - THIRD SEAT. Measured in the same manner as L51. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- L87 KNEE ROOM - THIRD SEAT. Measured in the same manner as L48. With rear-facing third seat, dimension is measured to rear closure.
- L88 BACK ANGLE - THIRD SEAT. Measured in the same manner as L40.
- L89 HIP ANGLE - THIRD SEAT. Measured in the same manner as L42.
- L90 KNEE ANGLE - THIRD SEAT. Measured in the same manner as L44.
- L91 FOOT ANGLE - THIRD SEAT. Measured in the same manner as L46.
- L101 WHEELBASE.
- L102 TIRE SIZE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the theoretical intersection of extended windshield glass plane and normal cowl surface to the theoretical intersection of extended back window glass plane and normal deck surface; or in the case of a Fastback roof or Station Wagon, to back glass lower reveal molding, or rubber when molding is not used.
- L127 BODY ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L128 HOOD LENGTH AT CAR CENTERLINE. The horizontal dimension from the foremost point on sheet metal hood surface, excluding series identification or ornamentation, to the theoretical intersection of extended windshield glass plane and normal cowl surface.
- L129 DECK LENGTH AT CAR CENTERLINE. The horizontal dimension from the rearmost point of the body sheet metal (visible above bumper), excluding series identification or ornamentation, to the theoretical intersection of extended back window glass plane and normal deck surface.
- L130 BODY ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from body zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.
- H6 H POINT TO WINDSHIELD BOTTOM DLO. Vertical dimension.
- H11 ENTRANCE HEIGHT - FRONT. The vertical dimension from H Point to upper trimmed body opening.
- H12 ENTRANCE HEIGHT - REAR. The vertical dimension from H Point to the upper trimmed body opening at a section 13.0 inches forward of the H Point.
- H13 STEERING WHEEL THIGH CLEARANCE. The minimum dimension from the bottom of steering wheel, in straight-ahead position, to centerline of thigh.
- H18 STEERING COLUMN ANGLE - HORIZONTAL. The angle the centerline of steering column makes with the horizontal.
- H25 BELT HEIGHT - FRONT. The vertical dimension from H Point to bottom of side window DLO.
- H30 H POINT TO HEEL POINT - FRONT. The vertical dimension from the H Point to the manikin accelerator heel point on the depressed floor covering.
- H31 H POINT TO HEEL POINT - REAR. The vertical dimension from the H Point to the manikin heel point on the depressed floor covering.
- H32 SEAT CUSHION DEFLECTION - FRONT. The vertical dimension from a point on the undepressed seat cushion to the depressed seat cushion. Measured at the H Point station.
- H33 SEAT CUSHION DEFLECTION - REAR. Measured in the same manner as H32.
- H37 HEADLINING TO ROOF HEIGHT - FRONT. The dimension from the intersection of the headlining and the extended effective head room line to the roof panel. Measured perpendicularly to the roof panel.
- H38 HEADLINING TO ROOF HEIGHT - REAR. Measured in the same manner as H37.
- H49 H POINT TO TOP OF STEERING WHEEL. The vertical dimension from the H Point to top of steering wheel, in straight-ahead position.
- H50 UPPER BODY OPENING TO GROUND - FRONT. The vertical dimension from a point on the trimmed body opening to the ground. Measured at the H Point station.
- H51 UPPER BODY OPENING TO GROUND - REAR. The vertical dimension from a point on the trimmed body opening to the ground. Measured 13.0 inches forward of the H Point.

DIMENSION DEFINITIONS (cont.)

- H54 D POINT TO TUNNEL - FRONT. The vertical dimension from the D Point, at car centerline, to top of tunnel.
- H55 D POINT TO TUNNEL - REAR. Measured same manner as H54.
- H58 H POINT RISE. The vertical dimension between the H Point in the most forward and rearward seat position.
- H61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.
- H63 EFFECTIVE HEAD ROOM - REAR. Measured same as H61.
- H64 H POINT TO WINDSHIELD UPPER DLO. Vertical dimension from H Point to highest horizontal line of vision through windshield at 15 inch section.
- H65 D POINT DIFFERENTIAL, SIDE TO CENTER - FRONT. Vertical dimension from side occupant to center occupant D Point.
- H66 D POINT DIFFERENTIAL, SIDE TO CENTER - REAR. Measured in the same manner as H65.
- H67 DEPRESSED FLOOR COVERING THICKNESS - FRONT. The vertical dimension from manikin accelerator heel point normally to underbody sheet metal immediately below heel point.
- H68 DEPRESSED FLOOR COVERING THICKNESS - REAR. Measured same as H67.
- H70 H POINT TO BODY ZERO LINE - FRONT. Vertical dimension.
- H71 H POINT TO BODY ZERO LINE - REAR. Vertical dimension.
- H86 EFFECTIVE HEAD ROOM - THIRD SEAT. Measured in the same manner as H61.
- H87 H POINT TO HEEL POINT - THIRD SEAT. Measured in the same manner as H31.
- H88 H POINT TO BODY ZERO LINE - THIRD SEAT. Vertical dimension.
- H101 OVERALL HEIGHT. Measured with full design load.
- H102 FRONT BUMPER TO GROUND. Minimum dimension.
- H104 REAR BUMPER TO GROUND. Minimum dimension.
- H106 ANGLE OF APPROACH. The angle between the ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e. bumper, guard, gravel deflector, fender or other interfering component, excluding license plate.
- H107 ANGLE OF DEPARTURE. The angle between the ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e. bumper, guard, gravel deflector, tail pipe, fender or other interfering component, excluding license plate.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at front of rear wheel opening.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at foremost point of rocker panel.
- H114 HOOD AT REAR TO GROUND. Measured from hood opening line on shroud, exclusive of moldings.
- H115 STEP HEIGHT - FRONT (DESIGN LOAD). The vertical dimension from top of sill plate bead, at C/L of front door sill plate, to ground.
- H116 STEP HEIGHT - REAR (DESIGN LOAD). Measured in same manner as dimension H115.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.
- H130 STEP HEIGHT - FRONT (CURB LOAD). The vertical dimension from top of sill plate, at C/L of front door sill plate, to ground.
- H131 STEP HEIGHT - REAR (CURB LOAD). Measured same as H130.
- H132 BOTTOM OF DOOR TO GROUND, OPEN - FRONT. Measured from bottom outside corner of door with door in maximum hold-open position.
- H133 BOTTOM OF DOOR TO GROUND, CLOSED - FRONT. Same point on door as H132 dimension, with door closed.
- H134 BOTTOM OF DOOR TO GROUND, OPEN - REAR. Measured in same manner as H132.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED - REAR. Measured in same manner as H133.
- H136 BODY ZERO TO GROUND - FRONT. A vertical dimension measured at front wheel centerline.
- H137 BODY ZERO TO GROUND - REAR. A vertical dimension measured at rear wheel centerline.
- H147 RAMP BREAKOVER ANGLE. Supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H148 FRONT SUSPENSION TO GROUND. Minimum clearance from lower control arm inner shaft or lowest point on the car centerline.
- H149 OIL PAN TO GROUND. Minimum clearance measured from sheet metal or drain plug.
- H150 FLYWHEEL/CONVERTER HOUSING AND TRANSMISSION ASSEMBLY TO GROUND. Minimum clearance.
- H151 FRAME STRUCTURE TO GROUND. Minimum clearance measured approximately midway between front and rear axles. In this measurement, cross bars and X-members shall be considered part of frame.
- H152 EXHAUST SYSTEM TO GROUND. Minimum clearance. Specify location.
- H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND. Minimum clearance.
- H154 FUEL TANK TO GROUND. Minimum clearance measured from sheet metal or drain plug, but excluding supports or straps.
- H155 SPARE TIRE WELL TO GROUND. Minimum clearance.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.
- H195 LIFTOVER HEIGHT. Vertical dimension from luggage compartment lower opening to ground.

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AMA Specifications — Passenger Car

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

MANUFACTURER CHEVROLET MOTOR DIVISION GENERAL MOTORS CORP.	CAR NAME CHEVELLE - 54-56-5800 327 cu. in. V-8 ENGINE (Optional)	
MAILING ADDRESS Chevrolet Engineering Center Box 7346, N. End Station, Detroit 2, Mich.	MODEL YEAR 1964	ISSUED: 12-2-63 REVISED (a)

NOTES:

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

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BODY—TYPES AND STYLE NAMES—	Body type, number of passenger & style names; use manufacturer's code for series & body style.
	(Optional) 327 Cu. In. <u>8-Cylinder</u>
CHEVELLE 300	
2-Door Sedan, 6-Pass.	5411
4-Door Station Wagon, 2-Seat	5435
2-Door Station Wagon, 2-Seat	5415
4-Door Sedan, 6-Pass.	5469
MALIBU	
4-Door Station Wagon, 2-Seat	5635
2-Door Sport Coupe, 5-Pass.	5637
2-Door Convertible, 5-Pass.	5667
4-Door Sedan, 6-Pass.	5669
4-Door Station Wagon, 3-Seat	5645
MALIBU SUPER SPORT	
2-Door Sport Coupe, 4-Pass.	5837
2-Door Convertible, 4-Pass.	5867
EL CAMINO	
2-Door Sedan Pickup, 3-Pass. Regular	5480
2-Door Sedan Pickup, 3-Pass. Deluxe	5680

AMA Specifications — Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED()

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL 54, 56, -5800		Additional Information Page No.:	327 Cu. In. Engines (Optional)			
			250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)	
Wheelbase (L101)		23	115.0			
Tread	Front (W101)	22	Sedans	Sport Coupe	Convertible	Sta/Wagon
	58.0					
	Rear (W102)	22	58.0			
Maximum Overall Dimensions	Length (L103)	23	193.9			198.8
	Width (W103)	22	74.6			
	Height (H101)	24	54.5	54.0		54.1
Transmission— (Specify trade name - opt., not available)	Manual	15	3-Speed, Std. 4-Speed, Opt.	4-Speed, Opt.		
	Overdrive	16	Not offered			
	Automatic	16	Powerglide, Opt.		Not offered	
Axle ratio	Manual	3-Speed	3.36:1	---		
		4-Speed		3:36:1		
	Overdrive	17	-----			
	Automatic	17	3.08:1	3.36:1	---	
Tire size		18	7.00 x 14			
Engine	Type, no. cyl., valve arr.	2	90° OHV V-8			
	Fuel system (Carb., other)	8	Carburetor			
	Bore and stroke	2	4.001 x 3.250			
	Piston displ., cu.in.	2	327			
	Std. compression ratio	2	10.5:1		11.0:1	
	Max. bhp at engine rpm	2	250 @ 4400	300 @ 5000	365 @ 6200	
	Max. torque at rpm	2	350 @ 2800	360 @ 3200	350 @ 4000	

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED (a)
	54,56,- 5800	372 Cu. In. Engines (Optional)				
MODEL		250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)		

ENGINE—GENERAL

Type, no. cyls., valve arr.		90° OHV V-8		
Bore and stroke (nominal)		4.001 x 3.250		
Piston displacement, cu. in.		327		
Bore spacing (C/L to C/L)		4.40		
No. system (front to rear)	L. Bank	1-3-5-7		
	R. Bank	2-4-6-8		
Firing order		1-8-4-3-6-5-7-2		
Compres. ratio (nominal)		10.5:1	11.0:1	
Cylinder Head Material		Cast alloy iron		
Cylinder Block Material		Cast alloy iron		
Cylinder Sleeve—Wet, dry, none		None		
Number of mounting points	Front	Two		
	Rear	One		
Engine installation angle		5° 11'		
Taxable horsepower	Dia. 2 x No. Cyl. 2.5	51.2		
Published max. bhp* @ eng. RPM		250 @ 4400	300 @ 5000	365 @ 6200
Published max. torque* (lb. ft. @ RPM)		350 @ 2800	360 @ 3200	350 @ 4000
Recommended fuel regular - premium		Premium		
Idle speed (spec. neutral or drive)	Manual	500 in neutral		800 in neutral
	Automatic	475 in drive		---

ENGINE—PISTONS

Material		Cast aluminum	Alum. impact extruded
Description and finish		Flat head, notched, Slipper skirt	Domed head; Slipper skirt
Weight (piston only) oz.		21.6	20.2
Clearance (limits)	Top land	.0365-.0455	
	Skirt	Top	.0005-.0011 (a)
		Bottom	.0039-.0045 (b)
Ring groove depth	No. 1 ring	.2217-.2283	
	No. 2 ring	.2217-.2283	
	No. 3 ring	.2038-.2103	
	No. 4 ring	None	

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

(a) Measured 2.24 from top of piston

(b) Measured 2.32 from top of piston

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED()

POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO * (Std. first) Posi-traction	
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM			
5400 5600 5800	327 *	4 Bbl	10.5:1	250 @ 4400	350 @ 2800	3-Speed 4-Speed *	3.36:1	3.36:1
						Powerglide *	3.08:1	3.08:1
		Large 4 Bbl Alum	10.5:1	300 @ 5000	360 @ 3200	4-Speed Powerglide *	3.36:1	3.36:1
		Large 4 Bbl	11.0:1	365 @ 6200	350 @ 4000	4-Speed	3.36:1	3.36:1

* - Optional

AMA Specifications – Passenger Car

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED (e)
		327 Cu. In. Engine (Optional)				
MODEL	54, 56-5800	250HP (RPO-L30)	300HP (RPO-L74)	365HP (RPO-L76)		

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression				
	No. 2, oil or comp.	Compression				
	No. 3, oil or comp.	Oil				
	No. 4, oil or comp.	None				
Compression	Description - material, type, coating, etc.	Upper:		Cast alloy iron, inside bevel Chrome plate		Molybdenum coating
		Lower:		Two piece; Cast alloy iron ring wear resistant ctg. & steel expander		Cast alloy iron Molybdenum coating
	Width	.0775-.0780				
	Gap	Upper: .013-.025; Lower .013-.023		Up'r & Lw'r .013-.025		
Oil	Description - material, type, coating, etc.	Multi-piece (2 rails and one spacer expander) Rails-Steel, chrome plated OD Expander - Stainless Steel				
	Width	.1840-.1880 assembled				
	Gap	.015-.055				
Expanders		In oil ring assembly				

ENGINE—PISTON PINS

Material		Chromium Steel				
Length		2.990-3.010				
Diameter		.9270-.9273				
Type	Locked in rod, in piston, floating, etc.	Locked in rod				
	Bushing	In rod or piston	None			
		Material	--			
Clearance	In piston	.00015-.00025		.00045-.00055		
	In rod	None				
Direction & amount offset in piston		Major thrust side .060			On center	

ENGINE—CONNECTING RODS

Material		Drop forged steel				
Weight (oz.)		20.00		20.32		
Length (center to center)		5.699-5.701				
Bearing	Material & Type	Premium Aluminum				
	Overall length	.807				
	Clearance (limits)	.0007-.0028				
	End play	.009-.013				

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 12-2-63 **REVISED** (*)

MODEL <u>54, 56-5800</u>	<u>327 Cu. In. Engine (Optional)</u>
	<u>250 HP (RPO-L30) 300 HP (RPO-L74) 365 HP (RPO-L76)</u>

ENGINE—CRANKSHAFT

Material		Forged Steel		
Vibration damper type		Rubber mounted inertia damper		
End thrust taken by bearing (No.)		Five		
Crankshaft end play		.002-.006		
Main bearing	Material & type	Premium Aluminum	Premium Aluminum exc. No 5-Steel backed babbitt	
	Clearance	#1 thru #4; .0008-.0034 No. 5; .0010-.0036		
	Journal dia. and bearing overall length	No. 1	2.3009 x .752	
		No. 2	2.3009 x .752	
		No. 3	2.3009 x .752	
		No. 4	2.3009 x .752	
		No. 5	2.3006 x 1.1824	
		No. 6	None	
No. 7		None		
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		1.999-2.000		

ENGINE—CAMSHAFT

Location		In block above crankshaft		
Material		Cast alloy iron		
Bearings	Material	Extra life steel backed babbitt		
	Number	Five		
Type of Drive	Gear or chain	Chain		
	Crankshaft gear or sprocket material	Steel Sprocket		
	Camshaft gear or sprocket material	Cast alloy iron		
	Timing chain	No. of links	40	
		Width	.875	
Pitch		.500		

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard	NA
Valve rotator, type (intake, exhaust)		None	
Rocker ratio		1.5:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero	.025
	Exhaust	Zero	.025
Timing marks on flywheel, damper, other		Damper	

(Continued)

AMA Specifications—Passenger Car

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE	MODEL YEAR 1964	DATE ISSUED 12-2-63 REVISED (*)	
MODEL 54, 56-5800	327 Cu. In. Engine (Optional)		
	250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)

ENGINE—VALVE SYSTEM (cont.)

Timing *	Intake	Opens (°BTC)	32° 30'	60° 50'	
		Closes (°ABC)	87° 30'	105° 23'	
		Duration - deg.	300°	346° 13'	
	Exhaust	Opens (°BBC)	74° 30'	108° 50'	
		Closes (°ATC)	45° 30'	57° 23'	
		Duration - deg.	300°	346° 13'	
	Valve opening overlap		78°	204° 13'	
Intake	Material		Carbon Steel	Alloy Steel	
	Overall length		4.902-4.922	4.870-4.889	
	Actual overall head dia.		1.715-1.725	1.935-1.945	
	Angle of seat & face		46° (seat) 45° (face)		
	Seat insert material		None		
	Stem diameter		.3404-.3417		
	Stem to guide clearance		.0010-.0027		
	Lift (@ zero lash)		.3987	.4850	
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.66		
		Valve open (lb. @ in.)	170-180 @ 1.26		
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring Damper		
		Valve open (lb. @ in.)	Spring Damper		
	Exhaust	Material		High alloy steel (Aluminized face)	
		Overall length		4.913-4.933	4.891-4.910
		Actual overall head dia.		1.495-1.505	1.595-1.605
Angle of seat & face		46° (seat) 45° (face)			
Seat insert material		None			
Stem diameter		.3410-.3417			
Stem to guide clearance		.0010-.0027			
Lift (@ zero lash)		.3987	.4850		
Outer spring press. and length		Valve closed (lb. @ in.)	78-86 @ 1.66		
		Valve open (lb. @ in.)	170-180 @ 1.26		
Inner spring press. and length	Valve closed (lb. @ in.)	Spring Damper			
	Valve open (lb. @ in.)	Spring Damper			

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Nozzle
	Cylinder walls	Pressure, jet cross sprayed

* 250 HP & 300 HP include ramps
365 HP include .025 lash

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (e)

327 Cu. In. Engine (Optional)

MODEL 54-56-5800 250 HP (RPO-L30) 300 HP (RPO-L74) 365 HP (RPO-L76)

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	40 PSI @ 2000
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Element
Capacity of crankcase, less filter-refill (qt.)	4
Oil grade recommended (SAE viscosity and temperature range)	32°F and Above ----- SAE20W, SAE20, or SAE10W-30 0°F and Above ----- SAE10W or SAE 10W-30 Below 0°F ----- SAE 5W or SAE 5W-20
Engine Service Requirement (MM, MS, etc.)	MS or DG

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual						
Muffler No. & type (reverse flow, straight thru, separate resonator)	Two; reverse flow						
Exhaust pipe dia. (O.D. & wall thickness)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Branch</td> <td style="width: 35%;"></td> <td style="width: 50%;"></td> </tr> <tr> <td>Main</td> <td>2.0 x .078-.091</td> <td>2.5 x .062-.072</td> </tr> </table>	Branch			Main	2.0 x .078-.091	2.5 x .062-.072
Branch							
Main	2.0 x .078-.091	2.5 x .062-.072					
Tail pipe diameter (O.D. & wall thickness)	1.875 x .062-.076 2.00 x .073-.091 laminated						

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Ventilates to induction system	
	Optional		
Control unit	Make and model		
	Location	At Carburetor Base	
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable orifice	
Complete system	Discharges (to Intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold	
	Air inlet (breather cap, carburetor air cleaner, other)	Breather cap	Closed Positive
	Flame arrestor (screen, check valve, other)		Screen

AMA Specifications— Passenger Car

MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 12-2-63 **REVISED** ^(*)
MODEL 54, 56-5800 **327 Cu. In. Engine (Optional)**
250 HP (RPO-L30) | 300 HP (RPO-L74) | 365 HP (RPO-L76)

ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor	
Fuel Tank	Capacity (gals.)	20	
	Filler location	Behind hinged rear license plate, (B)	
Fuel Pump	Type (elec. or mech.)	Mechanical	
	Locations	Lower right front of engine	
	Pressure range	5.25-6.50 PSI	
Vacuum booster (std., optional, none)		None	
Fuel Filter	Type	Fine mesh plastic strainer in gas tank	
	Locations	Sintered bronze filter in carburetor inlet on RPO-L30 (A)	
Carburetor	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air clnr. type	Standard Paper Element	Optional Foam

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size	
			Make	Model			
54, 56 and 5800	327 250 hp	3-Speed	Rochester	7024125	4 bbl Down- draft	1.44 (P)	
		4-Speed					
		Powerglide	Rochester	7024126			
	300 hp	327	4-Speed	Carter	3851761	4 bbl Down- draft	1.5625 (P)
			Powerglide	Carter	3851762		
	365 hp	327	4-Speed	Holley		4 bbl Down- draft	1.5625 (P)
				3858399			
				1.5625 (S)			

(A) - Glass bowl with paper element (RPO-L74)
In line, paper element (RPO-L76)

(B) - Left rear quarter on Station Wagon and Sedan Pickup models.

AMA Specifications – Passenger Car

MAKE OF CAR <u>CHEVELLE</u>	MODEL YEAR <u>1964</u>	DATE ISSUED <u>12-2-63</u>	REVISED <u>(*)</u>
327 Cu. In. Engine (Optional)			
MODEL <u>54, 56-5800</u>	250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		13± 1 psi	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at (°F)	177° - 183° F	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM @ 1000 pump rpm	55 GPM @ 4000	
	Number of pumps	One	
	Drive (V-belt, other)	V-Belt	
Bearing type		Double, roll ball	
By-pass recirculation type (internal, external)		Internal	
Radiator core type (cellular, tube and fin, other)		Tube on Center	
Cooling system capacity	With heater (qt.)	16	18
	Without heater (qt.)	15	17
	Opt. equipment-specify (qt.)	18	18
Water jackets full length of cylinder (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & Spacing		5, Staggered
	Diameter		18.00
	Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		Thermo-modulated-viscous coupling
	Bearing type		Double row ball
*Drive belts (indicate belt used by letter)	Fan		A
	Generator		A
	Water Pump		A
	Power Steering		B
	Air Conditioning		C

* Drive Belt Dimensions	A	B	C
Angle of V	38° - 42°		
Nominal length (SAE)	53.25	41.50	57.50
Width	.380		

AMA Specifications - Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED(*)	
		327 Cu. In. Engine (Optional)					
MODEL	54, 56-5800	250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)			

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model	Delco 1980558						
	Voltage Rtg. & Total Plates	12 Volt - 66 Plate						
	SAE Designation & Amp Hr. Rtg	61 Amp/Hr @ 20 Hr rate						
	Location	Right front engine compartment						
	Terminal grounded	Negative						
Generator	Make	Delco-Remy						
	Model	#1100668						
	Type	Diode rectified						
	Ratio—Gen. to Cr/s rev.	2-46:1						
	Gen. cut-in (hot)—engine rpm	Idle						
Regulator	Make	Delco-Remy						
	Model	#1119515						
	Type	Vibrator						
	Cutout relay	Closing voltage @ generator rpm	None					
		Reverse current to open						
	Regulated	Voltage	13.8-14.8 @ 85°F					
		Current						
	Voltage test conditions	Temperature	Operating					
Load		3-8 Amperes						
Other		None						

ELECTRICAL—STARTING SYSTEM

Starting motor	Make	Delco-Remy						
	Model	#1107320						
	Rotation (drive end view)	Clockwise						
	Engine cranking speed							
	Test conditions	Engine at operating temperatures						
	Lock test	Amps						
		Volts						
		Torque (lb. ft.)						
	No load test	Amps	65-100					
		Volts	10.6					
RPM (min.)		3600-5100						
Motor control	Switch (solenoid, manual)	Solenoid						
	Starting procedure	<p>Synchromesh - Place gearshift in neutral and depress clutch to floor</p> <p>Powerglide - Place control lever in N or P position</p> <p>Initial Start - Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START - release as soon as engine starts</p>						

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE	MODEL YEAR 1964	DATE ISSUED 12-2-63 REVISED (*)	
		327 Cu. In. Engine (Optional)	
MODEL 54, 56-5800	250 HP (RPO-L30)	300 HP (RPO-L74)	365 HP (RPO-L76)

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type	Positive shift solenoid		
	Pinion meshes (front, rear)	Rear		
	Number of teeth	Pinion	9	
		Flywheel	168	
Flywheel tooth face width		.4135		

ELECTRICAL—IGNITION SYSTEM

Coil	Make	Delco-Remy		
	Model	#1115115	#1115087	
	Amps	Engine stopped	4.0	
Engine idling		1.8		
Distributor	Make	Delco-Remy		
	Model	#1111016	#1111071	
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	700	
		Intermediate points deg. @ rpm		
		Max deg. @ rpm	24 @ 4600	
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	8	4
		Intermediate points, deg @ in Hg		
		Max. deg. in. Hg.	15 @ 15.5	16.5 @ 8.2
	Breaker gap (in.)		.019	
	Cam angle (deg.)		28-32	
Breaker arm tension (oz.)		19-23		
Timing	Crankshaft deg. @ rpm.	4° @ 550	8° @ 550	
	Mark location	Vibration damper		
	Cylinder numbering system (see page 2)	Left bank 1-3-5-7		
		Right bank 2-4-6-8		
Firing order (see page 2)		1-8-4-3-6-5-7-2		
Spark Plug	Make and model	AC 44		
	Thread (mm)	14		
	Tightening torque (lb. ft.)	25		
	Gap	.033-.038		
Cable	Conductor type	Linen core impregnated with electrical conducting materia		
	Insulation type	Rubber with neoprene jacket		
	Spark plug protector	Hypalon jacket		

ELECTRICAL—SUPPRESSION

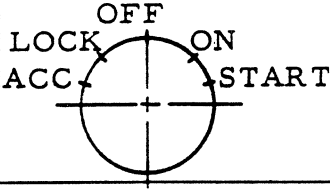
Locations & type

Non-Metallic High Tension Ignition Cables

AMA Specifications – Passenger Car

MAKE OF CAR <u>CHEVELLE</u>	MODEL YEAR <u>1964</u>	DATE ISSUED <u>12-2-63</u>	REVISED ^(*)
MODEL <u>54-56-5800</u>	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator—type		5800, gage; 54-5600, tell-tale lamp
Temperature indicator—type		5800, gage; 54-5600, tell-tale lamp
Oil pressure indicator—type		5800, gage; 54-5600, tell-tale lamp
Fuel indicator—type		Gage
Other		Clock, tachometer, cigarette lighter
Ignition switch	Identify positions in order and circuits controlled	<div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>ACC-Accessories LOCK-Off, locked OFF - Off, unlocked ON - Ignition, batt., access. START-Starter (spring return to ON)</p> </div> </div>
	Provision for illumination	Instrument lamps
	Location	Right of steering column on instrument cluster
Main lighting switch	Identify positions and lamps controlled	<p>In-Off</p> <p>1st position out - instru. panel, park., tail and lic. lamps.</p> <p>2nd position out - Same as "1st" except headlamps instead of "Park".</p> <p>CW rotation of knob-instru. panel lamps, dim to off.</p> <p>CCW rotation of knob- instru. panel lamps, off to bright; full CCW rotation, dome lamps and/or courtesy lamps, on.</p>
Other light switches	Locations and lamps controlled	<p>Toe panel - dimmer switch. Park. br. lever-Park br. alarm.</p> <p>Glove compt. - Gl. compt. lamp.</p> <p>Frt. Dr. hinge pillars - Dome and court. lamps.</p> <p>Steering column - direct. sig. indicators and lamps</p> <p>Brake pedal pendent - stop lamps.</p> <p>Steering mast jacket - back up lamps</p>
Other switches	Locations and devices controlled	<p>Rt. of steer. col., below instru. panel - overdrive.</p> <p>Rt. of steer. col., base of instru. panel- heater controls</p> <p>Doors or qtr. trim panels - power windows.</p> <p>Rt. side of instru. cluster - radio.</p> <p>Lt. side of instru. cluster - W/S wipers.</p> <p>Lt. of steer. col., below instru. panel-tailgate window motor.</p> <p>Steer. column - trans. neutral safety switch.</p> <p>Lt. side of frt. seat lower panel - power seats</p> <p>Lt. side of steer. column, below instru. panel - power top.</p> <p>W/S washer - w/s wiper switch.</p>
Windshield wiper	Make	Delco-
	Type	Electric; single-speed
	Vacuum booster provision	None
	Washer provision	DIA except with 2-speed washer
Horn	Type	Vibrator
	Number used	Two
	Amp draw (each)	8.00-11.0 @ 12.5V

Optional equipment: tachometer; clock, 5400; glove compt. lamp 5400; door jam switches for dome lamp, 5400; courtesy lamps except convertibles; back up lamps except 56 & 5800; parking brake alarm; power windows; power seats; radio; tailgate window motor; automatic transmission; power top; two-speed W/S wiper (includes washer); W/S washer (for single-speed).

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED (*)
MODEL	54-56- 5800	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)		

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.

Headlamps & arrangement		Dual, horizontal: Outer, 2-4002 ; Inner 2-4001	
Headlamp beam indicator		1-1895	
Parking		2-1157	
Tail		2-1157	
Stop		2-1157	
Direction signal	Front	2-1157	
	Rear	2-1157	
	Indicator	2-1895	
License Plate		2-1155	
Oil pressure indicator		1-1895 except 5800, gage by instrument lamps	
Charge indicator		1-1895 except 5800, gage by instrument lamps	
Instrument		54 & 5600, 4-1895; 5800, 6-1895	
Clock		"Instrument" lamps (a)	
Radio		1-1893	Optional

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

Ignition lock	"Instrument" lamps	
Back up	2-1156 (b)	
Dome (except convertibles)	1-211	Reg. prod.
Glove compartment	1-1895 (c)	
Prkg. brake signal	1-257	Optional
Luggage compartment (except wagons)	1-1003	Optional
Underhood	1-93	Optional
Courtesy	Instru. panel, 2-631(d); seat separator, 1-211 (e)	
Ash tray	1-1445	Optional
Auto. trans. indicator dial	Except 5800, 1-1445; 5800, 1-1895	
Tachometer	"Instrument" lamps	
Traffic hazard indicator	1-1445	Optional
Spot lamps	Inside operated, 1-4405; Portable, 1-4416	

(a) Optional on 5400. On 56 and 5800 with tachometer, clock illuminated with 1-1895.

(b) Optional on 5400, and 56 and 5800 except wagons.

(c) Optional on 5400.

(d) Optional except convertibles.

(e) Available only on 5800 with 4-speed or automatic transmission.

Regular production lamps (continued)

Heater controls	1-1895
Temperature indicators	54 and 5600, 1-1895; 5800, gage by "instru." lamps
Fuel gage	"Instrument" lamps

AMA Specifications - Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED (a)
MODEL	54-56-5800	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L74)		

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (a).

Component	Fuse/CB	Letter	Component	Fuse/CB
Headlamp	15 C. B.	(a)	Traf. hazard ind.	(b)
Headlamp beam indicator		(a)	Heater	AGC 10; with A. C.
Parking lamp		(a)		AGC 30 (f)
Tail lamp	AGC 15	(b)	Air conditioning	
Stop lamp		(b)	Blower motor	AGC 30 (in line)
Direction indicator		(c)	Circuit	AGC 30 (f)
License plate lamp		(b)	Defogging unit	(f)
Instrument lamp		(c)	W/S wiper (2-speed)	
Ignition lamp		--	Motor	14 C. B. (switch)
Back up lamp	AGC 10	(d)	Circuit	(g)
Dome lamp		(b)	Spotlamp	(b)
Clock		(b)	Courtesy lamps	
Clock lamp	---with tach.	(c)	Instru. panel	(b)
Radio	AGC 2.5	(e)	Seat separator	(b)
Glove compartment lamp		(b)	Fuel gage	(d)
Cig. lighter		(b)	Folding top motor	40 C. B. (hinge pillar)
W/S wiper (single speed)	SAE 20	(g)	Power seats	40 C. B. (hinge pillar)
Park. brake alarm		(d)	Power windows	40 C. B. (hinge pillar)
Gen. temp. & oil indicators		(d)	Tailgate motor	40 C. B. (hinge pillar)
Tachometer		(d)	Overdrive solenoid	AGC 15 (in line)
Heater control lamp		(c)		
Auto. trans. dial indicator		(c)		
Underhood lamp	SAE 4	(in line)		
Lugs. compt. lamp		(b)		
Ashtray lamp		(c)		

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Lamp	Lowest	Distance	
		Highest	Distance	
Height above ground to center of bulb	Tail	Lowest	29.3 (27.9 on wagons)	
		Highest	29.3 (27.9 on wagons)	
	Stop		29.3 (27.9 on wagons)	
	Backup		24.1 (24.9 on wagons)	
	License, rear		18.1 (18.6 on wagons)	
	Directional	Front		16.9 (17.4 on wagons)
		Rear		29.3 (27.9 on wagons)
	Headlamp	Inside		26.9 (27.4 on wagons)
		Outside*		26.9 (27.4 on wagons)
	Distance from C/L of car to center of bulb	Tail	Inside	30.1 (32.4 on wagons)
Outside			30.1 (32.4 on wagons)	
Stop			30.1 (32.4 on wagons)	
Backup			30.1 (32.4 on wagons)	
License, rear			7.2	
Directional		Front		25.8
		Rear		30.1 (32.4 on wagons)
Headlamp		Inside		23.0
		Outside*		29.4

* If single headlamps are used enter here.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE	MODEL YEAR 1964	DATE ISSUED 12-2-63	REVISED (*)
MODEL 54-56-5800	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Chevrolet, single dry disk, centrifugal		
Type pressure plate springs	Diaphragm, bent finger design		
Effective plate pressure (lb.)	2100-2300		
No. of clutch driven discs	1 with 2 friction surfaces		
Clutch facing	Material	Premium woven asbestos	
	Outside & inside dia.	10.4, 6.5	
	Total eff. area (sq.in.)	103.5	
	Thickness	.135 ea., unloaded	
	Engagement cushioning method	Flat spring steel between facings	
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-Spd std, 4-Spd, opt.	4-Speed, opt.
Manual with overdrive (std. or opt.)	Not offered	
Automatic (std. or opt.)	Optional	Not offered

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		3-speed	4-speed	
Transmission ratios	In first	2.58	2.56	
	In second	1.48	1.91	
	In third	1.0	1.48	
	In fourth	--	1.0	
	In reverse	2.58	2.64	
Synchronous meshing, specify gears		2nd and 3rd	All forward gears	
Shift lever location		Steering column	Floor	
Lubricant	Capacity (pt.)	2	2.5	
	Type recommended	Military specification MIL-L-2105-B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
Extreme cold		SAE 80		

AMA Specifications – Passenger Car

MAKE OF CAR <u>CHEVELLE</u>	MODEL YEAR <u>1964</u>	DATE ISSUED <u>12-2-63</u>	REVISED ^(*)
MODEL <u>54-56-5800</u>	250 HP (RPO 6-L30)	300 HP (RPO 6-L74)	365 HP (RPO 6-L76)

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE Not offered

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		
	Manual lockout (yes, no)		
	Downshift accelerator control (yes, no)		
	Minimum cut-in speed		
	Gear ratio		
Lu- bri- cant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE vis- cosity number	Summer	
	Winter		
	Ext. cold		

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Powerglide	Not offered
Type describe	Torque converter with planetary gears ¹	
Method of Selection (Lever, Push Button or other)	Lever (steering column except floor mounted on 5800)	
Selector Pattern	P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position	D - 1.76:1 and 1:1 L and R - 1.76:1	
Max. upshift speeds—drive range		---
Max. kickdown speeds—drive range		---
Torque converter	Number of elements	3
	Max. ratio at stall	2.10:1
	Type of cooling (air, water)	Water
Lubricant	Capacity—refill (pt.)	3
	Type recommended	Type A, suffix A
Special transmission features		

DRIVE UNITS—PROPELLER SHAFT

Number used	One	
Type (exposed, torque tube)	Tubular, exposed	
Outer diameter x length* x wall thickness	Manual transmission	3-and 4-speed; 3.25 x 60.137 x .065
	Overdrive transmission	---
	Automatic transmission	Same as manual

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

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE **MODEL YEAR** 1964 **DATE ISSUED** 12-2-63 **REVISED** ^(*)
MODEL 54-56-5800 327 in³ displacement engines –
 250 HP, 300 HP and 365 HP

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter- mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Universal joints	Make	Chevrolet
	Number used	2
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Prepack
Drive taken through (torque tube or arms, springs)		Control arms
Torque taken through (torque tube or arms, springs)		Control arms

DRIVE UNITS—REAR AXLE

Description (see instructions)	Reg. prod. - semi-floating; integral rear beam consisting of cast iron diff. carrier and pressed-in tubular axle shaft housings			
Limited Slip differential, type	Regular production with dual disk clutches			
Drive Pinion Offset	1.5			
No. of differential pinions	2			
Gear ratios (Std. equip.)	Manual transmission	3-and 4-speed	3.36	
	Overdrive transmission	---		
	Automatic transmission	250 HP, 3.08:1; 300 HP, 3.36:1		
Ring gear O.D. (std. ratio)	8.125			
Pinion adjustment (shim, other)	Shim			
Pinion bearing adj. (shim, other)	None			
Wheel bearing type	Single row cylindrical roller			
Lubricant	Capacity (pt.)	3.5		
	Type recommended	Military Specification MIL-L-2105-B		
	SAE vis- cosity number	Summer	SAE 80	
		Winter	SAE 80	
		Extreme cold	SAE 80	

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio	3.08:1	3.36:1	
No. of teeth	Pinion	12	11
	Ring gear	37	

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED ^(a)

MODEL 54-56-5800 327 in.³ displacement engines –
250 HP, 300 HP and 365 HP

DRIVE UNITS—WHEELS

Type & material		Short spoke disk, steel
Rim (size and flange type)	Std.	14 x 5J
	Opt.	— — —
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5 hex nuts, 7/16-20 UNF-2B

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.00 x 14-4 PR
	Type - Nylon, etc.	Rayon, tubeless, blackwall
Rev/mile at 50 mph.		1817
Inflation press.(cold)	Front	24
	Rear	24 except wagons 28
Optional tires - size and ply		7.00 x 14-4 PR, hyway, rayon, whitewall; 7.50 x 14-4 PR(*), hyway, nylon, blackwall; 7.50 x 14-4 PR(*), hyway, nylon, whitewall; 7.50 x 14-4 PR, hyway, rayon, whitewall; 7.50 x 14-6 PR(**), hyway, rayon, blackwall; 7.50 x 14-4 PR, hyway, rayon, blackwall

BRAKES—SERVICE

		Regular production	Metallic
Type (duo-servo, disc, balanced, etc.)		Duo-servo, 4-wheel hydraulic, reverse self-adjusting	
Self adjusting (std., opt., N.A.)		Standard	
Hydraulic system type (single, dual, etc.)		Single	
Power brake make & type (remote, integral, etc.)			
Effective area (sq. in.)*		170.8	118.1
Gross lining area (sq. in.)**		170.8	118.1
Swept drum area (sq. in.)***		228.6	
Percent brake effectiveness—front		59.5	
Drum	Diameter	Front 9.5	Rear 9.5
	Type and material	Composite; rim, cast iron; web, steel	
Wheel cylinder bore	Front	1.06	
	Rear	.875	
Master cylinder bore		1.0	.875
Available pedal travel		6.70	
Line pressure at 100 lb. pedal load			
Shoe clearance adjustment		Self adjusting	

(Continued)

- * Excludes rivet holes, grooves, chamfers, etc.
- ** Includes rivet holes, grooves, chamfers, etc.
- *** Total swept areas for four brakes:
Widest lining contact width for each brake x its drum circumference.
- (*) - Items indicated "*" 4 ply construction.
- (**) - Items indicated "**" 6 ply construction.

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(•)
 MODEL 54-56-5800 327 in.³ displacement engines —
 250 HP, 300 HP, 365 HP

BRAKES—SERVICE (cont.)			Regular Production	Metallic	
Brake lining	Bonded or riveted		Bonded		
	Front Shoe	Material	Molded asbestos		
		Size (length x width x thickness)	Front wheel	8.96 x 2.50 x .17	1.64 x 1.25 x .175
			Rear wheel	8.96 x 2.00 x .17	1.64 x 1.00 x .175
		Segments per shoe		1	6
	Rear Shoe	Material	Molded asbestos		
		Size (length x width x thickness)	Front wheel	10.24 x 2.50 x .20	1.64 x 1.25 x .295
			Rear wheel	9.75 x 2.00 x .20	1.64 x 1.00 x .295
		Segments per shoe		1	10

BRAKES—PARKING

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

FRAME or UNITIZED CONSTRUCTION

Type and description	All welded full length, ladder type with 3 structural cross-members and 1 non-structural crossmember for engine rear mount
----------------------	--

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Mounting angle of front upper control arms	
Provision for acc. squat control	Geometry of rear suspension	
Special provisions for car jacking	Bumper jack provided; apply just outboard of bumper bolt at wheel requiring jacking	
Shock absorber front & rear	Type	Direct, double-acting, hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features	Driveline alignment achieved with cam-bolts at rear suspension upper control arm rear pivots	

SUSPENSION—FRONT

Type and description	Independent- SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel.
----------------------	--

* Air Suspension: (Continued)
 Air spring type
 Compressor data
 type
 make
 drive ratio

Normal operating pressures
 spring rates
 leveling data

AMA Specifications – Passenger Cars

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (*)

MODEL 54-56-5800 327 in.³ displacement engines –
250 HP, 300 HP, 365 HP

SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D.; bar length x dia.)	10.51 and ; x .619
	Spring rate (lb. per in.)	290
	Rate at wheel (lb. per in.)	104
	Design load (lb. @ design height)	1660 @ 10.51
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel .812

STEERING

Manual (std., opt., NA)		Standard	
Power (std., opt., NA)		Optional	
Adjustable steering wheel (tilt, swing, other)	Type and description	Seven position tilt type with 5 inch vertical travel	
	(std., opt., NA)	Optional	
Wheel diameter	Manual	16.5	
	Power	16.5	
Turning diameter	Outside front	Wall to wall (l. & r.)	44.7
		Curb to curb (l. & r.)	41.9
	Inside rear	Wall to wall (l. & r.)	
		Curb to curb (l. & r.)	26.6
Outside wheel angle with inside wheel at 20°		18.41°	

Manual	Gear	Type	Semi-reversible, recirculating ball nut with rag coupling for jointing steering shaft	
		Make	Saginaw	
		Ratios	Gear	24.0:1
			Overall	28.0:1
No. wheel turns		5.48 Lock to lock		
Power	Gear	Type	Hydraulic Control valve integral & coaxial with steering gear	
		Make	Saginaw	
	Ratios	Type	Same as Manual	
		Gear	17.5:1	
		Overall	20.4:1	
	Pump driven by		Crankshaft pulley	
	Number wheel turns		3.98 Lock to lock	
	Linkage	Type	Parallel relay	
Location (front or rear of wheels, other)		Front of wheels		
Drag link (trans. or longit.)		None		
Tie rods (one or two)		2		

(Continued)

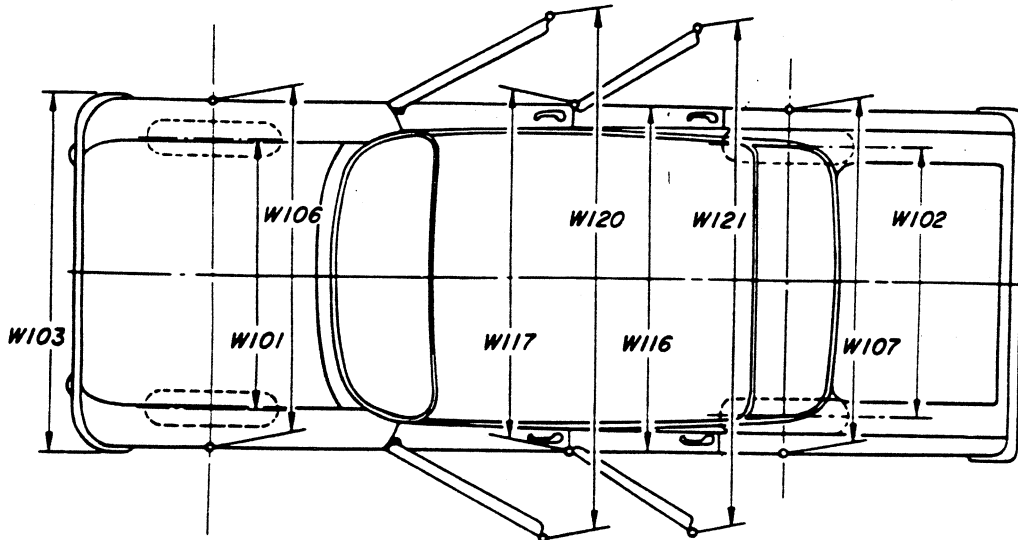
AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED ^(*)
 54-56-5800 **CAR AND BODY DIMENSIONS—GENERAL**

Dimensions herein are those adopted by the Society of Automotive Engineers. Brief descriptions of these dimensions are listed on pages 34-36. Complete definitions are listed in section E-1 of the SAE Aeronautical - Automotive Drawing Standards. The dimensions are developed from the following basic points:

1. Body dimensions are for all body styles.
2. All interior dimensions are taken with manikin 15.0 inches outboard of car centerline unless otherwise stated.
3. All interior dimensions are measured with the front seat in the lowest and rearmost position.
4. Unless otherwise specified, all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
5. The SAE manikin with 90th percentile leg length will be used for recording purposes.
6. The H Point is the pivot center of the manikin's torso and thigh.
7. The D Point is the point of tangency of a horizontal line and the lowest point of the manikin.
8. The Torso Line is a line parallel to the small of manikin's back and extending through the H Point.

EXTERIOR WIDTH DIMENSIONS

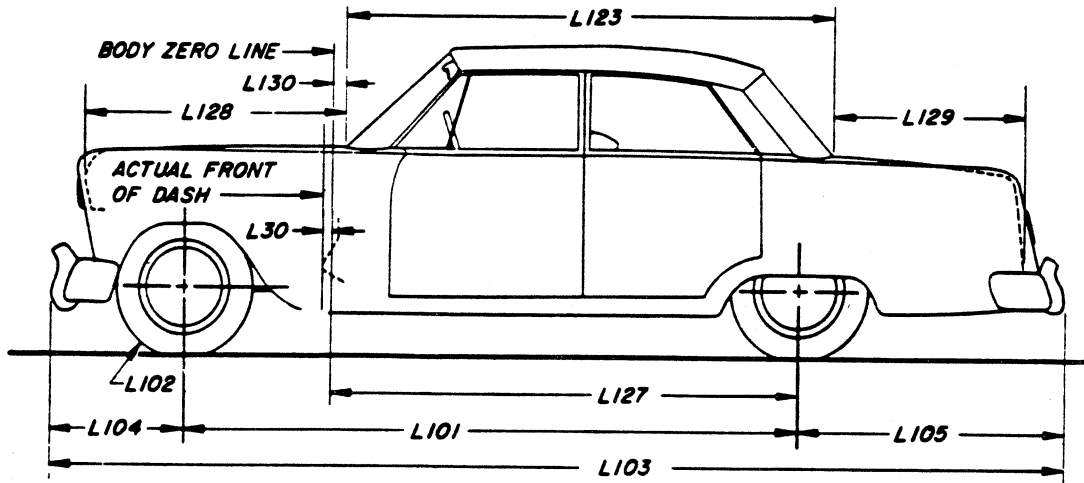


MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Tread - front	W101				58.0			
Tread - rear	W102				58.0			
Maximum overall car width	W103				73.2			
Maximum overall body width	W116				74.0			
Maximum body width at #2 pillar	W117	--	71.8		--	71.8	--	
Front fender overall width	W106				72.4			
Rear fender overall width	W107				73.8			
Maximum overall car width - front doors open	W120	151.5	133.9		151.5	133.9		151.5
Maximum overall car width - rear doors open	W121	--	133.9		--	133.9	--	

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(•) _____

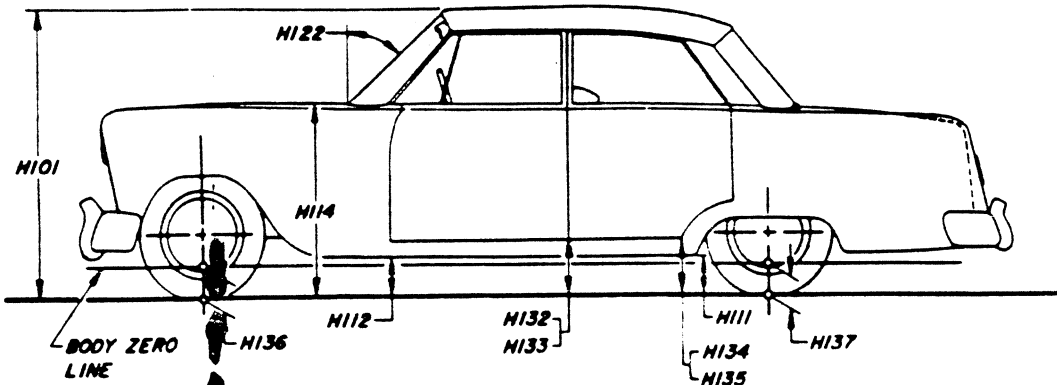
EXTERIOR LENGTH DIMENSIONS 54-56-5800



MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Body zero line to actual front of dash	L30	. 0						
Wheelbase	L101	115. 0						
Overhang - front	L104	30. 9						
Overhang - rear	L105			48. 0			52. 9	53. 0
Overall length	L103			193. 9			198. 8	
Hood length at car centerline	L128	50. 4						
Body upper structure length at car centerline	L123	96. 4		93. 2	92. 2	132. 7		--
Deck length at car centerline	L129	38. 1		41. 4	42. 3			
Body zero line to centerline of rear wheels	L127	85. 0						
Body zero line to windshield cowl point	L130	10. 7						
Tire size	L102	Refer to Page 18						

AMA Specifications— Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED ^(a)
EXTERIOR HEIGHT DIMENSIONS 54-56-5800



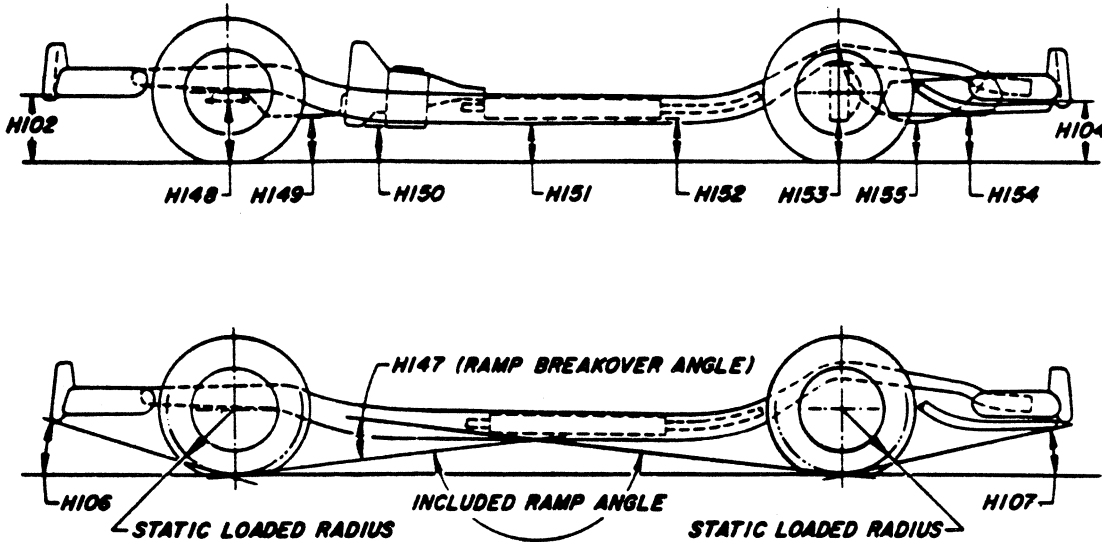
MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Overall height	H101	54.5			54.0	54.1		
Hood at rear to ground	H114				31.9			
Rocker panel to ground - front	H112				8.8			
Rocker panel to ground - rear	H111				8.1			--
Bottom of door to ground, open - front	H132				11.4			
Bottom of door to ground, closed - front	H133				11.1			
Bottom of door to ground, open - rear	H134	--	10.8		--	10.8		--
Bottom of door to ground, closed - rear	H135	--	11.0		--	11.0		--
Windshield slope angle	H122				48.8°			
Body zero to ground - front	H136				5.0			
Body zero to ground - rear	H137				5.0			

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (a)

GROUND CLEARANCE DIMENSIONS

54-56-5800



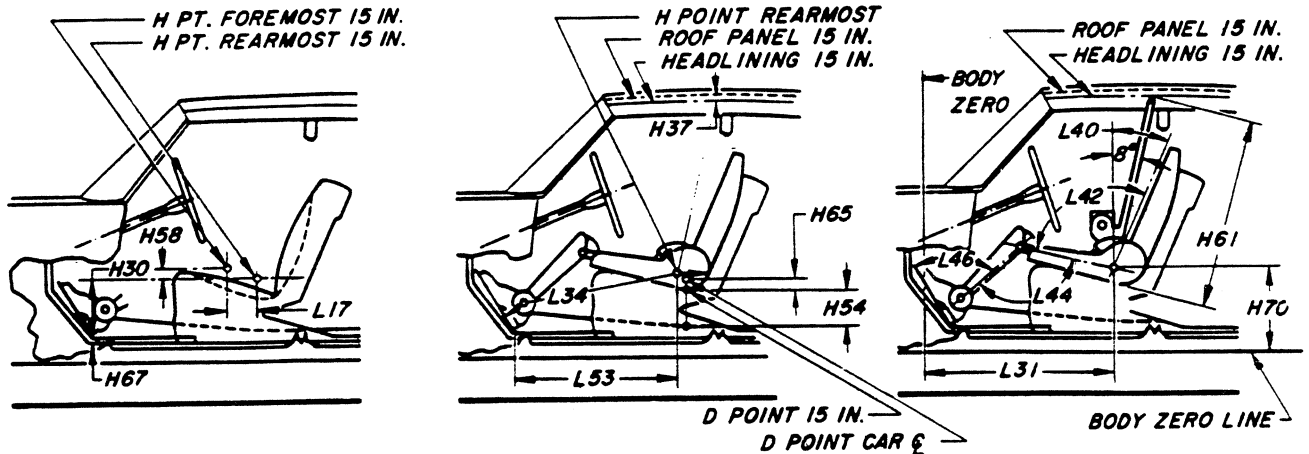
MODEL	Ref. No.	Sedans		Sport Coupe	Convertible	Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.			2-Dr.	4-Dr.	
Front bumper to ground	H102	13.5		13.4		12.7		
Rear bumper to ground	H104			13.5		10.3		
Angle of approach	H106			29.1°		30.0°		30°
Angle of departure	H107	15.6°		16.3°		12.4°		12°
Ramp breakover angle	H147			13°				
Front suspension to ground	H148			6.3		6.8		6.3
Oil pan to ground	H149			6.7		7.2		6.7
Flywheel housing to ground	H150			6.6		7.1		6.6
Frame structure to ground	H151			6.9		7.4		6.9
Exhaust system to ground	H152			6.0		6.5		6.0
Rear axle differential to ground	H153			7.0		7.5		7.0
Fuel tank to ground	H154			8.6		7.9		8.6
Spare tire well to ground	H155							
Minimum running ground clearance	H156			6.0		6.5		6.0

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED (*)

FRONT COMPARTMENT DIMENSIONS

54-56-5800



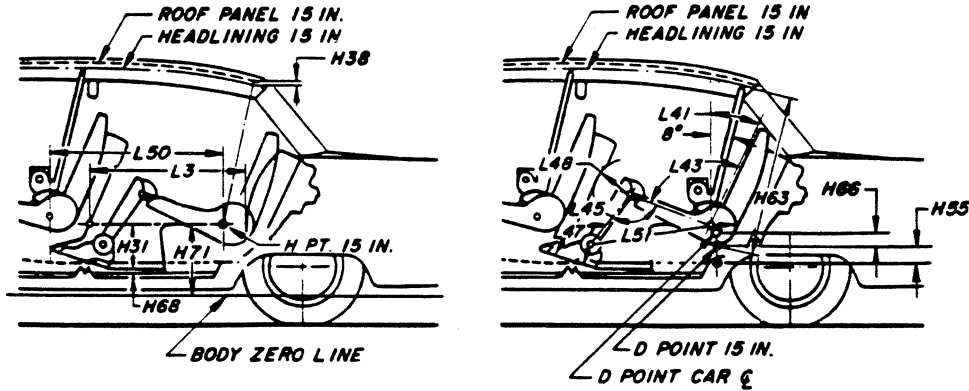
MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	Pickup
H Point to body zero line	L31	42.1		42.0	41.9	42.0	41.9	42.1		41.9
H Point to body zero line - front	H70	19.3		19.3	18.8	19.3	19.2	19.8		19.3
Effective head room	H61	38.6		38.1	37.9	38.7	38.6	38.2		38.7
Headlining to roof height	H37	.6		.5		-		.9		.7
Maximum effective leg room - accelerator	L34	42.0		41.9	41.8	41.9	41.8	42.1		41.8
H Point to heel point	H30	8.3		8.2				8.3		8.0
Depressed floor covering thickness	H67	.2		.3	.5	.3	.5	.5		.2
Back angle	L40	26°		27°				26°		25°
Hip angle	L42	98°		97°				98°		95.5°
Knee angle	L44	129°		128°				130°		127°
Foot angle	L46	88°		87°				89°		87°
D Point differential, side to center	H65	.2		-				.2		.1
D Point to tunnel	H54	1.7		-		1.7	-	1.7		1.4
H Point to accelerator floor point	L53	34.4		34.2				34.4		34.1
H Point travel	L17									3.4
H Point rise	H58									.5

(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(•) _____

REAR COMPARTMENT DIMENSIONS 54-56-5800



MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point couple distance	L50	33.6		31.5	31.6	31.5	31.6	33.6		--
H Point to body zero line - rear	H71	19.2		19.0	18.8	19.0		19.8		--
Effective head room	H63	37.3		36.7	36.7	36.8	36.8	38.4		--
Headlining to roof height	H38	.6		.7	-	.7	-	.8		--
Minimum effective leg room	L51	35.9	36.3	33.3	33.2	33.3	33.2	36.1		--
H Point to heel point	H31	10.8		10.4				10.8		--
Depressed floor covering thickness	H68	.4								
Minimum knee room	L48	3.6		1.9	1.7	1.9	1.7	3.6		--
Rear compartment room	L3	27.4		25.3	25.1	25.1	24.9	27.2		--
Back angle	L41	27°		25°		24°		27°		--
Hip angle	L43	88°		81.0°	81.5°	79.5°	80.0°	88°		--
Knee angle	L45	94°	96°	82°				95°		--
Foot angle	L47	116°	117°	109°				116°		--
D Point differential, side to center	H66	.7		1.2		1.0		.8		--
D Point to tunnel	H55	1.9		1.7		1.5		1.9		---

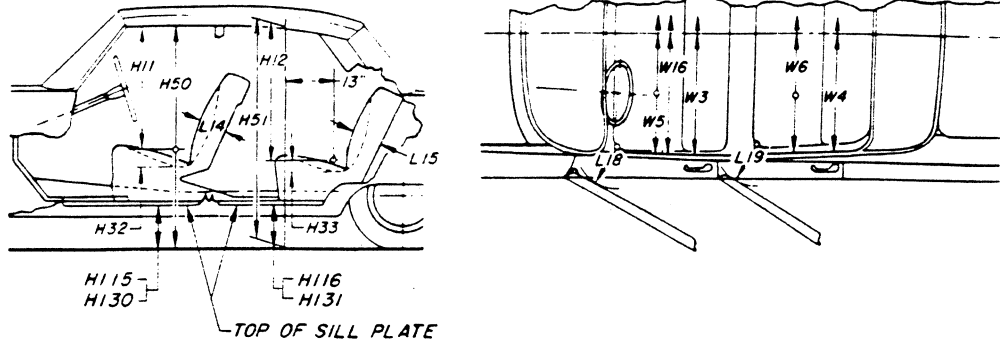
(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(•)

SEAT AND ENTRANCE DIMENSIONS

54-56-5800



	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
Shoulder room - front	W3	58.8								
Hip room - front	W5	59.9								
Seat width - front	W16	53.8		23.3	53.8	23.3	53.8			
Upper body opening to ground - front	H50	NA								
Entrance height - front	H11	29.9	30.4	30.2	30.4	30.3	29.9	29.9		
Step height - front (design load)	H115	13.3	13.2				12.9			
Step height - front (curb load)	H130	15.3	15.2				15.8			
Entrance foot clearance - front	L18	15.1		14.8	15.1	14.8	14.9			
Seat cushion deflection - front	H32	4.2	4.4	4.3	4.4	4.3	4.4	4.3		
Seat back thickness - front	L14	5.9		6.4	5.9	6.4	5.9			
Shoulder room - rear	W4	57.4	58.8	56.8	45.6		57.4	58.8	--	
Hip room - rear	W6	58.7	59.8	58.7	48.6		58.7	59.8	--	
Upper body opening to ground - rear	H51	NA								
Entrance height - rear	H12	--	29.4			--	29.7		--	
Step height - rear (design load)	H116	--	13.1			--	13.0		--	
Step height - rear (curb load)	H131	--	15.1			--	15.0		--	
Entrance foot clearance - rear	L19	11.5	11.7	10.6	10.7		11.5	11.7	--	
Seat cushion deflection - rear	H33	4.4		4.8		4.4		--		
Seat back thickness - rear	L15	6.4		6.1	7.0		6.1		--	

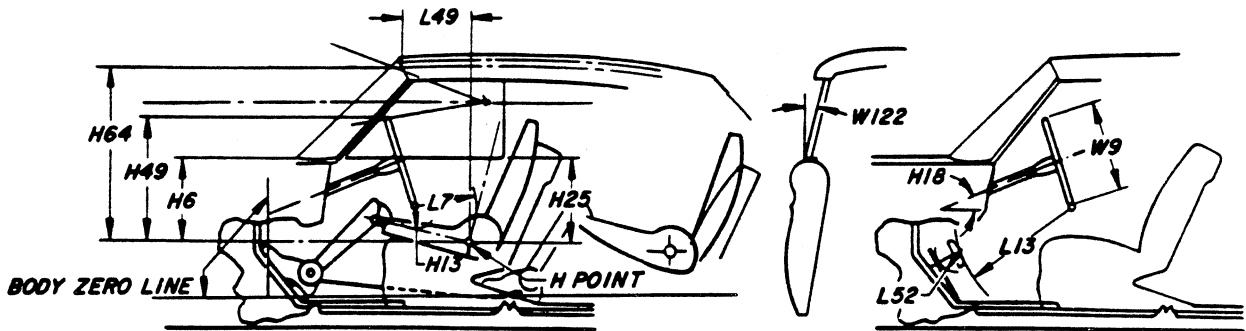
(a) Bench seat; (b) bucket seat

AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(•)

VISION AND CONTROL DIMENSIONS

54-56-5800



MODEL	Ref. No.	Sedans		Sport Coupe		Convertible		Station Wagon		Sedan Pickup
		2-Dr.	4-Dr.	(a)	(b)	(a)	(b)	2-Dr.	4-Dr.	
H Point to windshield bottom DLO	H6	18.8		18.7	18.8	18.7	18.8	18.8	19.1	
H Point to windshield upper DLO	H64	30.9		30.7	31.0	30.9	30.9	30.9	31.2	
H Point to windshield upper DLO	L49	14.5	14.4	14.3	14.4	14.2	14.5	14.4	14.4	
Belt height - front	H25	17.1		17.0	17.1	17.0	17.1	17.1	17.4	
Steering wheel center to centerline of car	W7	15.2								
Steering wheel maximum outside diameter	W9	16.5								
Steering column angle - horizontal	H18	19.5°								
H Point to top of steering wheel	H49	23.2	23.1	23.0	23.1	23.0	23.1	23.1	23.4	
Steering wheel torso clearance	L7	11.1		11.0	11.1	11.0	11.4	11.2	11.2	
Steering wheel thigh clearance	H13	4.3	4.2	4.0	4.2	4.0	4.0	4.3	4.3	
Brake pedal knee clearance	L13	24.4								
Brake pedal to accelerator	L52	4.8	4.4	4.5	4.4	4.5	4.4	4.4	4.4	
Tumble-home	W122	18.0°		17.8°		18°		18°		

(a) Bench seat; (b) bucket seat

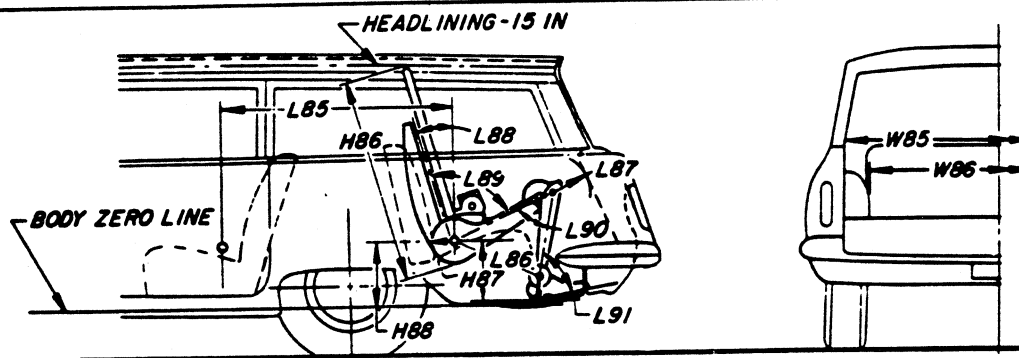
AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED(•) _____

LUGGAGE COMPARTMENT 54-56-5800

MODEL	Ref. No.	Sedans	Sport Coupe	Convertible	Station Wagon	Sedan Pickup
Usable luggage capacity (See instructions)		16.9 cu. ft.				
Liftover height	H195	22.8			18.3	
Position of spare tire storage		Horizontal, to right rear of trunk floor			R.r.r. quarter	Back of frt. seat
Method of holding lid open		Torsion bars, counterbalanced				

THIRD SEAT DIMENSIONS

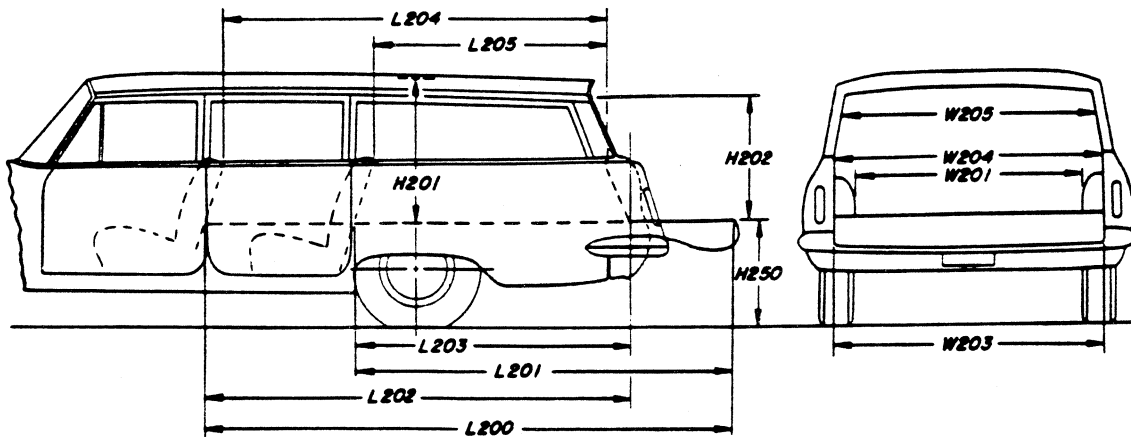


MODEL	Ref. No.	5645
Seat facing direction		Rearward
Shoulder room	W85	57.9
Hip room	W86	36.7
H Point couple distance	L85	39.6
H Point to body zero line - third seat	H88	NA
Effective head room	H86	35.9
Effective leg room	L86	30.8
H Point to heel point	H87	12.4
Knee room	L87	10.1
Back angle	L88	28°
Hip angle	L89	87°
Knee angle	L90	72°
Foot angle	L91	103°

AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1964 DATE ISSUED 12-2-63 REVISED ^(a)

STATION WAGON—CARGO SPACE DIMENSIONS 54-56-5800



MODEL	Ref. No.	2-Seat	3-Seat
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200		116.6
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201		83.6
Floor length from back of front seat at floor level to inside of closed tail gate	L202		92.1
Floor length from back of second seat at floor level to inside of closed tail gate	L203		59.1
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204		80.8
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205		46.5
Maximum width of cargo space at floor - specify location	W200		58.6
Minimum distance between wheel houses at floor level	W201		44.4
Rear end opening width at floor	W203		55.3
Rear end opening width at belt	W204		53.0
Maximum width of rear opening above belt	W205		45.7
Maximum height - floor covering to headlining at centerline of rear axle	H201		31.3
Maximum height of rear opening - tail and lift gates open	H202		28.5
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250		20.4
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		Hinged tailgate with folding link supports and manual retractable rear window (a)	
Cargo volume index (cu. ft.) W4 x L204 x H201			86.0

(a) Electrically operated rear window on 3-seat wagon, standard equipment; optional on 2-seat wagons.

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVELLE	MODEL YEAR	1964	DATE ISSUED	12-2-63	REVISED (e)	
MODEL	54-56-5800	Sedans		Sport Coupe	Convertible	Station Wagon	Sedan
		2-Dr	4-Dr			2-Dr	4-Dr

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front						
	Rear doors	Front						
Type of finish (lacquer, enamel, other)		Acrylic lacquer						
Hood counterbalanced (yes, no)		Yes						
Hood release control (internal, external)		External						
Vehicle (Serial) No. Location		Left front body hinge pillar						
Engine No. Location		8-cyl - on top front of RH bank of cylinder and case						
Theft protection - type								
Vent window control method (crank, friction pivot)	Front	Friction Pivot						
	Rear	None						
Seat cushion type	Front	Formed wire and foam pad						
	Rear	Formed wire and jute and cotton						
	3rd seat	Formed wire and jute and cotton						
Seat back type	Front	Formed wire and cotton (a)						
	Rear	Formed wire and cotton						
	3rd seat	Formed wire and cotton						
Windshield glass type (i.e., single curved - laminated plate)		One piece curved						
Backlight glass type (i.e., compound curved - tempered plate, three piece)		One piece curved	Plastic	One piece curved				
Side glass type (i.e., curved - tempered plate)		Curved						
Side glass exposed surface area		1406.9	1356.2	1395.6	1281.4	2529.6	2560.6	839.2
Windshield glass exposed surface area		1107.1						
Backlight glass exposed surface area		1032.3	897.7	786.2	768.4	665.2		
Total glass exposed surface area		3446.3	3495.6	3400.4	3174.7	4415.1	4436.1	2611.5

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

Power windows	Side Windows	Optional					
	Vent Windows	NA					
	Backlight or tailgate	Standard on 3 seat wagon, optional on 2 seat					
Power seats (specify type as well as availability)		4 way electric optional, (b)					
Reclining front seat back		NA					
Front seat headrest		NA					
Radios (specify type as well as availability)		Manual, push button optional					
Rear seat speaker		Optional					
Power Antenna		NA					
Clock		Standard on 56-5800; optional on 5400					
Air Conditioner (specify type and availability)		All-weather, Deluxe, optional					

(a) 1" Polyfoam on Malibu Super Sport.

(b) Not available on Malibu Super Sport models.

DIMENSION DEFINITIONS

- W3 SHOULDER ROOM - FRONT.** The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.
- W4 SHOULDER ROOM - REAR.** Measured in the same manner as W3.
- W5 HIP ROOM - FRONT.** The lateral dimension through H Point to trimmed surfaces.
- W6 HIP ROOM - REAR.** Measured in the same manner as W5.
- W7 STEERING WHEEL CENTER TO CENTERLINE OF CAR.** Measured horizontally from steering wheel center to centerline of car. The point at steering wheel center is located in the surface plane of wheel.
- W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER.** Define if other than round.
- W16 SEAT WIDTH - FRONT.** The maximum trimmed width of front seat cushion.
- W85 SHOULDER ROOM - THIRD SEAT.** Measured in the same manner as W3.
- W86 HIP ROOM - THIRD SEAT.** Measured in the same manner as W5.
- W101 TREAD - FRONT.** Measured at centerline of tires, with nominal camber, at ground.
- W102 TREAD - REAR.** Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH.** Include bumpers, moldings, or sheet metal protrusions.
- W106 FRONT FENDER OVERALL WIDTH.** Measured at centerline of front wheels, excluding moldings.
- W107 REAR FENDER OVERALL WIDTH.** Measured at centerline of rear wheels, excluding moldings.
- W116 MAXIMUM OVERALL BODY WIDTH.** Measured across body, excluding hardware and applied moldings, but including fenders when integral with body.
- W117 MAXIMUM BODY WIDTH AT #2 PILLAR.** Measured across body at #2 pillar, excluding hardware and applied moldings.
- W120 MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN.** Measured with front doors in maximum hold-open position.
- W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN.** Measured in same manner as W120.
- W122 TUMBLE-HOME.** The angle from vertical to the front door glass outer surface or the chord of a curved door glass, measured at the front H Point station.
- L3 REAR COMPARTMENT ROOM.** The horizontal dimension from the back of front seat to front of rear seat back at a height tangent to the top of rear seat cushion.
- L7 STEERING WHEEL TORSO CLEARANCE.** The minimum distance from the back edge of steering wheel, in straight-ahead position, to the Torso Line.
- L13 BRAKE PEDAL KNEE CLEARANCE.** The minimum dimension from the lower edge of the steering wheel to the brake pedal face centerline.
- L14 SEAT BACK THICKNESS - FRONT.** The maximum thickness of the seat back, excluding bolsters.
- L15 SEAT BACK THICKNESS - REAR.** Measured in the same manner as L14.
- L17 H POINT TRAVEL.** The horizontal dimension between the H Point in the most forward and rearward seat positions.
- L18 ENTRANCE FOOT CLEARANCE - FRONT.** The minimum horizontal dimension between seat and normal line of door or pillar at a height between the sill plate bead and 4.0 inches above the bead. Door should be in the maximum hold-open position.
- L19 ENTRANCE FOOT CLEARANCE - REAR.** Measured in the same manner as L18 on four-door models. On two-door styles, the minimum dimension between rear corner of front seat, with front seat back tilted forward, and trimmed lock pillar, built-in quarter armrest panel, or rear seat cushion at a height between the sill plate bead and 4.0 inches above the bead.
- L30 BODY ZERO LINE TO ACTUAL FRONT OF DASH.** If actual front of Dash is to the rear of Body Zero Line, it is identified by a minus (-) sign.
- L31 H POINT TO BODY ZERO LINE - FRONT.** Horizontal dimension.
- L34 MAXIMUM EFFECTIVE LEG ROOM - ACCELERATOR.** Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the right foot on accelerator pedal.
- L40 BACK ANGLE - FRONT.** The angle between a vertical line through the H Point and the Torso Line.
- L41 BACK ANGLE - REAR.** Measured in the same manner as L40.
- L42 HIP ANGLE - FRONT.** The angle between Torso Line and a line extending from knee pivot center to H Point.
- L43 HIP ANGLE - REAR.** Measured in the same manner as L42.
- L44 KNEE ANGLE - FRONT.** The angle between a line from H Point to knee pivot center and a line from the knee pivot center to the ankle pivot center.
- L45 KNEE ANGLE - REAR.** Measured in the same manner as L44.
- L46 FOOT ANGLE - FRONT.** The angle between a line extended from the knee pivot center through the ankle pivot center and a line tangent to the sole and heel of manikin bare foot.
- L47 FOOT ANGLE - REAR.** Measured in the same manner as L46.
- L48 MINIMUM KNEE ROOM - REAR.** The minimum dimension from the knee pivot center to the back of front seat back.
- L49 H POINT TO WINDSHIELD UPPER DLO.** The horizontal dimension from H Point to the point of tangency of horizontal line of vision (described in dimension H64) with body upper structure.

DIMENSION DEFINITIONS (cont.)

- L50 H POINT COUPLE DISTANCE.** The horizontal dimension from the front seat H Point to the rear seat H Point.
- L51 MINIMUM EFFECTIVE LEG ROOM - REAR.** Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. Measured with the foot positioned to nearest interference between seat structure and toe, instep or lower leg.
- L52 BRAKE PEDAL TO ACCELERATOR.** The minimum dimension from center of brake pedal face to accelerator. Measured in the side view.
- L53 H POINT TO ACCELERATOR FLOOR POINT.** The horizontal dimension from intersection of accelerator and depressed floor covering to the H Point.
- L85 H POINT COUPLE DISTANCE - THIRD SEAT.** The horizontal dimension from the second seat H Point to the third seat H Point.
- L86 EFFECTIVE LEG ROOM - THIRD SEAT.** Measured in the same manner as L51. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- L87 KNEE ROOM - THIRD SEAT.** Measured in the same manner as L48. With rear-facing third seat, dimension is measured to rear closure.
- L88 BACK ANGLE - THIRD SEAT.** Measured in the same manner as L40.
- L89 HIP ANGLE - THIRD SEAT.** Measured in the same manner as L42.
- L90 KNEE ANGLE - THIRD SEAT.** Measured in the same manner as L44.
- L91 FOOT ANGLE - THIRD SEAT.** Measured in the same manner as L46.
- L101 WHEELBASE.**
- L102 TIRE SIZE.**
- L103 OVERALL LENGTH.** Include bumper guards if standard equipment.
- L104 OVERHANG - FRONT.** Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG - REAR.** Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE.** The horizontal dimension from the theoretical intersection of extended windshield glass plane and normal cowl surface to the theoretical intersection of extended back window glass plane and normal deck surface; or in the case of a Fastback roof or Station Wagon, to back glass lower reveal molding, or rubber when molding is not used.
- L127 BODY ZERO LINE TO CENTERLINE OF REAR WHEELS.** A horizontal dimension.
- L128 HOOD LENGTH AT CAR CENTERLINE.** The horizontal dimension from the foremost point on sheet metal hood surface, excluding series identification or ornamentation, to the theoretical intersection of extended windshield glass plane and normal cowl surface.
- L129 DECK LENGTH AT CAR CENTERLINE.** The horizontal dimension from the rearmost point of the body sheet metal (visible above bumper), excluding series identification or ornamentation, to the theoretical intersection of extended back window glass plane and normal deck surface.
- L130 BODY ZERO LINE TO WINDSHIELD COWL POINT.** The horizontal dimension from body zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.
- H6 H POINT TO WINDSHIELD BOTTOM DLO.** Vertical dimension.
- H11 ENTRANCE HEIGHT - FRONT.** The vertical dimension from H Point to upper trimmed body opening.
- H12 ENTRANCE HEIGHT - REAR.** The vertical dimension from H Point to the upper trimmed body opening at a section 13.0 inches forward of the H Point.
- H13 STEERING WHEEL THIGH CLEARANCE.** The minimum dimension from the bottom of steering wheel, in straight-ahead position, to centerline of thigh.
- H18 STEERING COLUMN ANGLE - HORIZONTAL.** The angle the centerline of steering column makes with the horizontal.
- H25 BELT HEIGHT - FRONT.** The vertical dimension from H Point to bottom of side window DLO.
- H30 H POINT TO HEEL POINT - FRONT.** The vertical dimension from the H Point to the manikin accelerator heel point on the depressed floor covering.
- H31 H POINT TO HEEL POINT - REAR.** The vertical dimension from the H Point to the manikin heel point on the depressed floor covering.
- H32 SEAT CUSHION DEFLECTION - FRONT.** The vertical dimension from a point on the undepressed seat cushion to the depressed seat cushion. Measured at the H Point station.
- H33 SEAT CUSHION DEFLECTION - REAR.** Measured in the same manner as H32.
- H37 HEADLINING TO ROOF HEIGHT - FRONT.** The dimension from the intersection of the headlining and the extended effective head room line to the roof panel. Measured perpendicularly to the roof panel.
- H38 HEADLINING TO ROOF HEIGHT - REAR.** Measured in the same manner as H37.
- H49 H POINT TO TOP OF STEERING WHEEL.** The vertical dimension from the H Point to top of steering wheel, in straight-ahead position.
- H50 UPPER BODY OPENING TO GROUND - FRONT.** The vertical dimension from a point on the trimmed body opening to the ground. Measured at the H Point station.
- H51 UPPER BODY OPENING TO GROUND - REAR.** The vertical dimension from a point on the trimmed body opening to the ground. Measured 13.0 inches forward of the H Point.

DIMENSION DEFINITIONS (cont.)

- H54 D POINT TO TUNNEL - FRONT. The vertical dimension from the D Point, at car centerline, to top of tunnel.
- H55 D POINT TO TUNNEL - REAR. Measured same manner as H54.
- H58 H POINT RISE. The vertical dimension between the H Point in the most forward and rearward seat position.
- H61 EFFECTIVE HEAD ROOM - FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.
- H63 EFFECTIVE HEAD ROOM - REAR. Measured same as H61.
- H64 H POINT TO WINDSHIELD UPPER DLO. Vertical dimension from H Point to highest horizontal line of vision through windshield at 15 inch section.
- H65 D POINT DIFFERENTIAL, SIDE TO CENTER - FRONT. Vertical dimension from side occupant to center occupant D Point.
- H66 D POINT DIFFERENTIAL, SIDE TO CENTER - REAR. Measured in the same manner as H65.
- H67 DEPRESSED FLOOR COVERING THICKNESS - FRONT. The vertical dimension from manikin accelerator heel point normally to underbody sheet metal immediately below heel point.
- H68 DEPRESSED FLOOR COVERING THICKNESS - REAR. Measured same as H67.
- H70 H POINT TO BODY ZERO LINE - FRONT. Vertical dimension.
- H71 H POINT TO BODY ZERO LINE - REAR. Vertical dimension.
- H86 EFFECTIVE HEAD ROOM - THIRD SEAT. Measured in the same manner as H61.
- H87 H POINT TO HEEL POINT - THIRD SEAT. Measured in the same manner as H31.
- H88 H POINT TO BODY ZERO LINE - THIRD SEAT. Vertical dimension.
- H101 OVERALL HEIGHT. Measured with full design load.
- H102 FRONT BUMPER TO GROUND. Minimum dimension.
- H104 REAR BUMPER TO GROUND. Minimum dimension.
- H106 ANGLE OF APPROACH. The angle between the ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e. bumper, guard, gravel deflector, fender or other interfering component, excluding license plate.
- H107 ANGLE OF DEPARTURE. The angle between the ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e. bumper, guard, gravel deflector, tail pipe, fender or other interfering component, excluding license plate.
- H111 ROCKER PANEL TO GROUND - REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at front of rear wheel opening.
- H112 ROCKER PANEL TO GROUND - FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured at foremost point of rocker panel.
- H114 HOOD AT REAR TO GROUND. Measured from hood opening line on shroud, exclusive of moldings.
- H115 STEP HEIGHT - FRONT (DESIGN LOAD). The vertical dimension from top of sill plate bead, at C/L of front door sill plate, to ground.
- H116 STEP HEIGHT - REAR (DESIGN LOAD). Measured in same manner as dimension H115.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.
- H130 STEP HEIGHT - FRONT (CURB LOAD). The vertical dimension from top of sill plate, at C/L of front door sill plate, to ground.
- H131 STEP HEIGHT - REAR (CURB LOAD). Measured same as H130.
- H132 BOTTOM OF DOOR TO GROUND, OPEN - FRONT. Measured from bottom outside corner of door with door in maximum hold-open position.
- H133 BOTTOM OF DOOR TO GROUND, CLOSED - FRONT. Same point on door as H132 dimension, with door closed.
- H134 BOTTOM OF DOOR TO GROUND, OPEN - REAR. Measured in same manner as H132.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED - REAR. Measured in same manner as H133.
- H136 BODY ZERO TO GROUND - FRONT. A vertical dimension measured at front wheel centerline.
- H137 BODY ZERO TO GROUND - REAR. A vertical dimension measured at rear wheel centerline.
- H147 RAMP BREAKOVER ANGLE. Supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H148 FRONT SUSPENSION TO GROUND. Minimum clearance from lower control arm inner shaft or lowest point on the car centerline.
- H149 OIL PAN TO GROUND. Minimum clearance measured from sheet metal or drain plug.
- H150 FLYWHEEL/CONVERTER HOUSING AND TRANSMISSION ASSEMBLY TO GROUND. Minimum clearance.
- H151 FRAME STRUCTURE TO GROUND. Minimum clearance measured approximately midway between front and rear axles. In this measurement, cross bars and X-members shall be considered part of frame.
- H152 EXHAUST SYSTEM TO GROUND. Minimum clearance. Specify location.
- H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND. Minimum clearance.
- H154 FUEL TANK TO GROUND. Minimum clearance measured from sheet metal or drain plug, but excluding supports or straps.
- H155 SPARE TIRE WELL TO GROUND. Minimum clearance.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.
- H195 LIFTOVER HEIGHT. Vertical dimension from luggage compartment lower opening to ground.

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