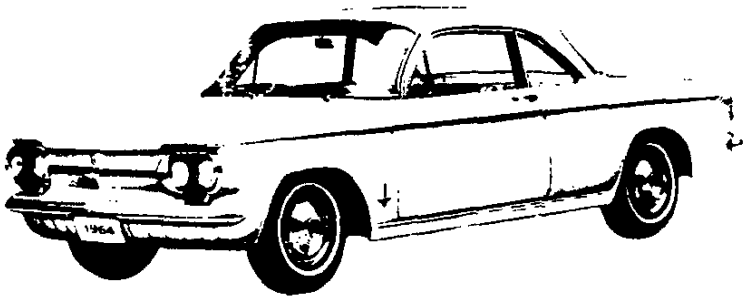
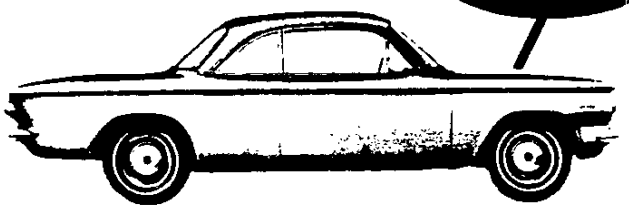
GENERAL



FOR COMPLETE SPECIFICATIONS ON GREENBRIER SPORTS WAGON, SEE 1964 CHEVROLET TRUCK SPECIFICATIONS.

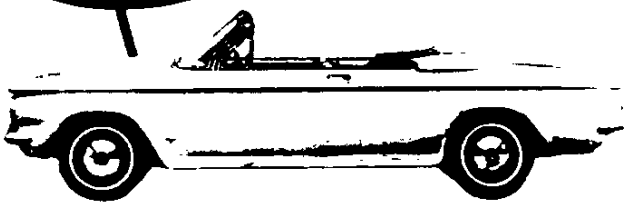
MODEL IDENTIFICATION

500 SERIES



MODEL 527 2-DOOR CLUB COUPE, 5-PASSENGER

600 SERIES

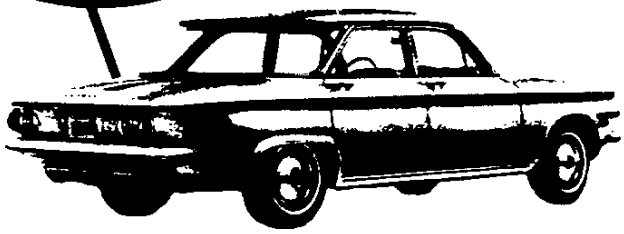


MODEL 627 2-DOOR CLUB COUPE, 4-PASSENGER
MODEL 667 2-DOOR CONVERTIBLE, 4-PASSENGER

700 SERIES

MODEL 769 4-DOOR SEDAN, 6-PASSENGER

900 SERIES



MODEL 927 2-DOOR CLUB COUPE, 4-PASSENGER
MODEL 967 2-DOOR CONVERTIBLE, 4-PASSENGER
MODEL 969 4-DOOR SEDAN, 5-PASSENGER

GREENBRIER R1206

MODEL R1206 6-DOOR SPORTS WAGON, 6-PASSENGER

SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE SERIAL NUMBER

Example:

Model Year	Model	Assembly Plant	Unit Number
1964		(Willow Run)	(25th unit)
4	0527	W	100025

Thus: The 25th model built at Willow Run would be serial number 40527W100025

Starting unit number ---------- 100001 and up at each assembly plant

Location ---------- Stamped tag located on left hand front hinge pillar

ASSEMBLY PLANTS
W-Willow Run

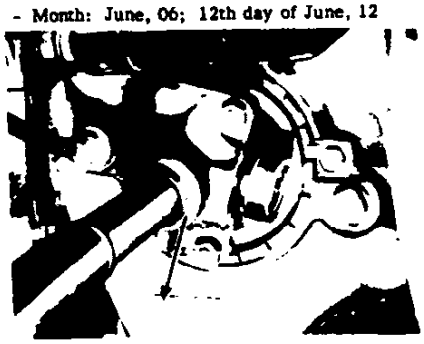
REAR AXLE IDENTIFICATION

Example: HA 0612

Source and Type Designation	Production* Month and Day
HA-(Buffalo)	0612

HA ---------- 5-7-900 3-speed ---------- 3.27:1
HC ---------- 5-7-900 Powerglide ---------- 3.27:1
HB ---------- 600 3 & 4-speed ---------- 3.55:1

* - Month: June, 06; 12th day of June, 12



Location ---------- Number stamped on lower left side of *differential carrier*

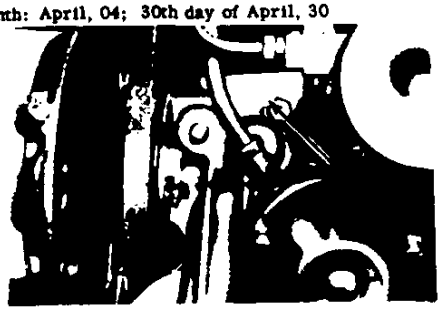
ENGINE IDENTIFICATION

Example: T0430-Z

Source Designation	Production* Month and Date	Type Designation
T-Tonawanda	0430	Z

YC - 6-cylinder, 3 and 4-speed (5-7-900)
YR - 6-cylinder, 3-4 speed (600)
YN - 6-cylinder, 3 and 4 speed, high performance (5-7-900)
Z - 6-cylinder, automatic (5-7-900)
ZF - 6-cylinder, automatic, high performance (5-7-900)

* - Month: April, 04; 30th day of April, 30



Location ---------- Stamped on top of crankcase at rear of engine rear center, right of generator

REGULAR EQUIPMENT – EXTERIOR

ITEM				MODELS
Bright metal trim	Anodized aluminum	Dual headlight, parking, and turn signal light bezels		All
		Dual stop, tail, and directional signal light bezels		500-700
		Dual back-up light location cover plates		600-900
		Back-up light bezels		All
		Exhaust grille panel		600-700-900
		Body front panel molding and plastic emblem base		600-900
		Rocker panel molding		All
		Rear license area frame		600
		Wheel opening, front and rear		600-900
	Chrome plated metal	Luggage compartment lettering ("Corvair")		All
		Front fender nameplate		667, 967
		Engine compartment lettering ("Corvair")		All
		Ventipane frame		600
		Rear quarter window vert. channel		600-900
		Front door vent channel and post		All
		Engine compartment lid emblem ("Turbo-Charged")		500-700
		Front fender nameplate ("Spyder")		600-900
		Simulated air scoops		All
	Stainless steel	Luggage compartment lock		500-700
		Hub caps		600-900
		Wheel disks		600-700-900
		Moldings	Windshield reveal	600-700-900 exc 667, 967
			Drip gutter cap (exc. 667, 967)	969
			Rear window	927
			Center pillar	627, 927
			Rear body lock pillar upper	600-900 exc 667, 967
			Rear quarter window upper frame	700
			Door upper frame	All
			Body perimeter molding	667, 967
			Key locks on front doors	All
			Folding top base molding	500
			Windshield side, header	600-700-900
Dual single-speed electric wipers				600-900
Cowl air inlet				667, 967
Gasoline filler door (left front fender)				
Rear license lamp				
Deck lid air intake louvers				
Single horn				
Dual horns				
Back-up lamps				
Counterbalanced folding top				

ITEM			MODELS
Instrument Panel	Cluster Area	Dual directional signal indicators	All
		Fuel indicator	
		Speedometer	
		High beam indicator	
		Bright Knobs: Lights	
		Control Knobs: Windshield wiper	
		Control Knobs: Cigarette lighter	
		Ignition switch (4-positions)	
		Oil and generator warning lights	
		Anodized aluminum trim plate	500-700-900
		Bright trim plate molding	900
		Satin chrome cluster face circular tachometer, fuel gauge, speedometer, manifold pressure, and cylinder head temperature gauge faces	600
	Ash tray		All
	Radio speaker grille		
	Dual vent control knobs (black plastic)		
	Glove Box	Painted door	500
		Anodized aluminum trim plate (brushed chrome on 600)	600-700-900
		Nameplate (Corvair 700, Monza or Spyder)	
		Bright trim plate molding	600-900
		Glove box lamp	
Dual spoke steering wheel (2-tone type on 600 and 900)			All
Horn button, chrome			500-700
Half circle horn ring with Monza emblem in hub			600-900
Inside rear view mirror (painted 500-700; bright 600, 900)			All
Friction type front ventipanes			
Door locking buttons, rear			769-969
Door locking control handles, front			All
Painted interior trim moldings			
Dome lamp (chrome bezel on 600-900 exc 667, 967)			
Dome lamp switch, in main light switch			
Front door jamb switch, dome lamp			600-700-900
Folding rear seat			600-900 exc 667, 967
Door and window control handles - dual arm type			600-900
Door and window control handles - conventional type			500-700
Front bucket seats			600, 900
Front door armrests (bright base on 600-700-900)			All
Rear door armrest with ashtray (bright base)			969
Rear quarter ash tray (built in armrest on 667, 967)			627, 667, 927, 967
Anodized aluminum seat end panels, outer (inner painted)			600-900
Coat hooks			All exc 667, 967
Dual sunshades			All
Perimeter heater			
Dual courtesy lamps (instrument panel, L.H. & R.H. side)			667, 967
Door sill plates			All
Front door map pocket			600-900
Seat belts			All

GREENBRIER REGULAR EQUIPMENT – EXTERIOR

ITEM			MODELS
Bright metal trims	Anodized aluminum	Dual headlamp frames, with dual parking and directional signal lights	R1206
		Front air inlet grille	
		Front air inlet grille ornament	
	Chrome plated	Door handles	
		Front door nameplates (Greenbrier)	
		Right rear door nameplate (Chevrolet)	
	Stainless steel	Windshield wiper arms	
		Key locks, front and rear doors	
Rubber windshield, rear quarter, and rear door window reveal moldings			
Dual single-speed electric windshield wipers			
Front, double right hand side, and double rear doors			
Air intake louvers in rear outer side panels			
Gasoline filler cap (rear of left front fender wheel opening)			
Single tail, stop, and directional signal lights			
Dual headlamps			
Parking and directional signal lights			
Rear license lamp			
Double right hand side door rubber stops			
Single horn			
Painted areas	Front and rear bumpers		
	Hub caps		
	Ventipane frames		
	Exhaust grille panel		

GREENBRIER REGULAR EQUIPMENT – INTERIOR

ITEM				MODELS
Instrument Panel	Cluster Area	Dual Directional Signal Indicators		R1206
		Fuel Gauge		
		Speedometer		
		High Beam Indicator		
		Bright Control Knobs	Light	
			Windshield Wiper	
		Cigarette Lighter Cover Plate		
		Ignition Switch (4-positions)		
		Engine Warning Lights		
		Anodized Aluminum Trim Plate		
		Odometer		
	Ash Tray			
	Dual Vent Control Knobs			
	Powerglide Selector Cover Plate			
	Radio Speaker Grille			
	Dispatch Box, Painted Door with Key Lock			
Front and Rear Full Width Seats				
Dual Spoke Steering Wheel				
Chrome Plated Horn Button				
Inside Rear View Mirror				
Friction Type Front Ventipanes				
Front Door Locking Control Handles				
Double Right Hand Side Door Locking Control Handles and Push Button Lock				
Window Regulator Handles				
Dome Lamp (Operated by Main Switch)				
Painted Interior Body Panels				
Breathable Fabric Cloth Seat Covering with Vinyl Facings				
Vinyl Coated Roof Panel Inserts				
Left Hand Sunshade				
Black Embossed Rubber Floor Mat				
Spare Wheel and Tire				
Jack				
Combination Jack Handle and Wheel Wrench				

REGULAR PRODUCTION OPTIONS

GROUP	ITEM		NUMBER	MODELS
Engine	Air cleaner, oil bath		K47	5-6-7-900
	Generator, 35 amp low cut-in		K71	All
	High performance engine		L62	5-7-900
Transmission	Automatic transmission		M35	
	Four speed transmission		M20	All
Chassis	Driven gear and fitting, speedometer		Z12	
	Limited slip axle (3.27, 3.55, 3.89:1)		G81	All
	Rear axle, 3.55:1		G95	5-7-900
	Tires	6.50 x 13-4 pr w/w rayon	P53	All
		6.50 x 13-4 pr w/w rayon-tube	P59	
	Wire wheel cover, simulated wire		P02	
	Wheel trim cover		P01	500-700
	Wheel, plastic wood steering		N34	All
	13 x 5.50 wire wheel (inc. 6.50 x 13-4 ply BW-tube)		P45	
Body	Air conditioning		C64	5-7-900
	Arm rest (rear)		D10	769
	Belt unit, custom deluxe seat (retractor type)		A49	All
	Belt unit, seat (delete)		A62	
	Colors, folding top		C06	667, 967
	Comfort and Convenience	Back up lamps	Z01 Z13	500-700
		Glove box lamp		
		Outside rear view mirror (a)		All
		2-speed w/s wiper and washer		
		Inside non-glare mirror		
	Folding rear seat		A67	500-700
	Instrument panel pad		B70	All
	Less heater		C48	
	Radio, manual		U60	
	Radio, push button		U63	
	Radio and rear speaker, push button		Z02	All exc. 667, 967
	Spare wheel lock		P19	All
	Tinted body glass		A01	
	Top, electric folding		C05	667, 967
	Windshield glass, tinted		A02	All

(a) Remote control outside mirror in Z13

ITEM	MODELS
Alarm - Parking brake	All
Antenna - Radio, front	
Antenna, rear	
Antenna, rear dummy	
Belt - Custom Deluxe seat	
Bezel - License plate rear	500-700
Cap - Gas tank filler locking	All
Carrier - Roof luggage	All 4-Door models
Clock - Instrument panel	All
Container - Litter	
Conditioning - Air (Deluxe)	
Cover - Wheel trim	500-700
Deflector - Rain	All exc. Convt.
Dispenser - Tissue	All
Guard - Front and rear bumper	
Guard - Door edge	
Guard - Gas tank filler door	
Hitch - Trailer	
Lamp - Back up	500-700
Lamp - Courtesy	All exc. Convt.
Lamp - Luggage compartment	All
Lamp - Portable spot	
Lamp - Underhood	
Lamp - Glove compartment	500-700
Lock - Rear door safety	All 4-Door models
Lock - Spare wheel	All
Mat - Floor, full width and contour - front & rear	
Mirror - Outside rear view	
Mirror - Rear view prismatic	
Mirror - Visor vanity	
Mirror - Remote control outside	
Radio - Manual	
Radio - Push button	
Speaker - Radio rear auxiliary	All exc. Convt.
Tool Kit	All
Washer - Windshield - Push button (Single speed wiper)	

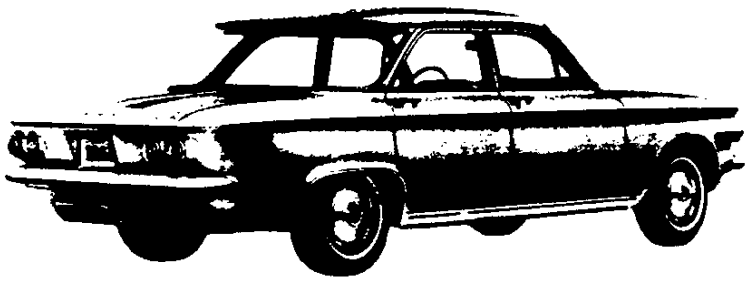
GREENBRIER REGULAR PRODUCTION OPTIONS

GROUP	ITEM		NUMBER	MODELS
Engine	Engine, high performance		L62	R1206
	Air cleaner, oil bath		K47	
	Generator, 35 amp L.C.I.		K71	
Transmission	Four speed		M20	
	Powerglide		M35	
Chassis	Axle, limited slip (3.89:1)		G81	
	Spring, heavy duty front		F60	
	Tires	7.00 x 14-4 pr blackwall rayon	R21	
		7.00 x 14-4 pr whitewall rayon	R20	
		7.00 x 14-6 pr whitewall rayon	R22	
		7.00 x 14-6 blackwall rayon	R24	
		7.00 x 14-8 blackwall rayon	R25	
Body				
	Bumper, chrome - front and rear		V37	
	Cover, wheel trim		P01	
	Custom Equipment	Anodized aluminum dispatch box trim plate	Z60	
		Chrome plated front and rear bumpers		
		Chrome plated hub caps		
		Chrome cigar lighter		
		Front and rear dome lamp		
		Rear door red cove inserts, chrome bezels		
		Right hand sunshade		
		Stainless steel windshield reveal moldings		
		Spare tire cover, vinyl		
		Special roof panel paint treatment		
		LH and RH driver and rear passenger arm rest (Rear armrest used with RPO A59)		
		LH and RH rear compartment ash tray		
		Two-tone steering wheel		
		Vinyl and nylon faced cloth seats (foam)		
		Vinyl coated rubber floor covering		
		Vinyl trim pads (doors and sidewalls)		
		Four interior colors keyed to exterior color		
	Door, body side, LH		E85	
	Glass, laminated		A09	
	Heater, direct air		C40	
	Heater, gasoline		C45	
	Mirror, rear view (outside)		D32	
	Mirror, outside rear view West Coast type		D29	
	Radio, manual		U60	
	Seat, supplementary		A59	
	Wiper and washer, 2-speed		C14	
	Belt, custom deluxe seat (retractor type)		A49	
	Belt, seat (delete)		A59	
	Driven gear and fitting, speedometer		Z12	

GREENBRIER DEALER INSTALLED ACCESSORIES

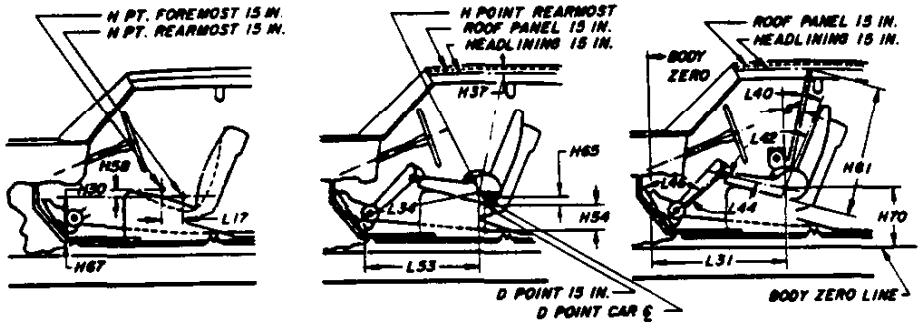
ITEM		MODELS
Belt - Seat, front and rear		R1206
Cap - Gas tank filler locking		
Carrier - Roof luggage		
Clock - Instrument panel		
Container - Litter		
Cover - Roof luggage carrier		
Cover - Wheel trim		
Deflector - Rain		
Dispenser - Tissue		
Guard - Bumper (chrome or painted)		
Heater - Direct air		
Heater - Gasoline		
Lamp - Courtesy		
Lamp - Dome		
Lamp - Portable spot		
Lamp - Spot inside operated		
Lamp - Glove compartment		
Lighter - Cigarette		
Mirror - Outside rear view		
Mirror - Rear view prismatic		
Mirror - Outside rear view, West Coast type		
Radio - Manual		
Rest - Door arm		
Sporting Equipment	Camper unit	
	Car top sleeper	
	Table	
	Pop-up tent	
	Window screens	
Sunshade - R.H.		
Switch - Traffic hazard flasher		
Tool Kit		
Washer - Windshield - Push button (single speed wipers)		

DIMENSIONS AND WEIGHTS

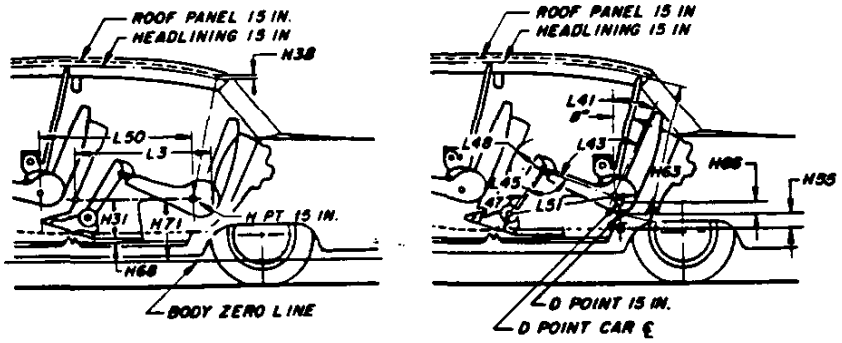


FOR COMPLETE SPECIFICATIONS ON GREENBRIER SPORTS WAGON, SEE 1964 CHEVROLET TRUCK SPECIFICATIONS.

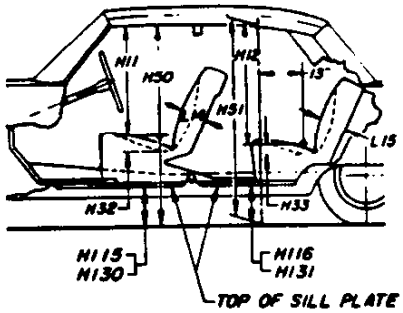
INTERIOR DIMENSIONS

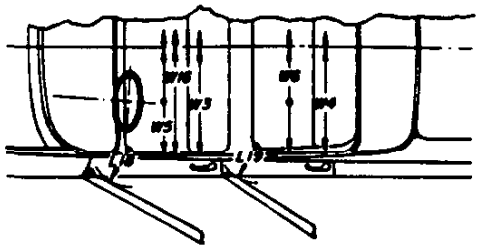


			MODELS				
			Club Coupe		Convertible	Sedans	
	CODE	DESCRIPTION	527	627-927	667-967	769	969
FRONT COMPARTMENT	L31	Body zero line to H point	42.7			42.9	42.6
	H5	H point to ground	17.0	17.6	17.2	17.0	17.2
	H61	Effective head room	37.7	37.6	37.9	37.7	37.6
	H37	Headlining to roof height	.5	.6	.0	.5	.6
	L34	Maximum effective leg room - accelerator	41.0			41.1	41.0
	H30	H point to heel point	7.5	7.6		7.5	7.6
	H67	Depressed floor covering thickness	.4	.5		.5	
	L40	Back angle	25°			24°	25°
	L42	Hip angle	92°	93°		91.5°	93°
	L44	Knee angle	122°			123°	122.5°
	L46	Foot angle	76°	77°		78°	77.5°
	H65	H point differential, side to center	.1	---		.2	---
	H54	H point to tunnel	4.8	---		4.9	---
	L53	H point to accelerator floor point	33.9			34.1	34.0
	L17	H point travel	4.0				
	H58	H point rise	.5				

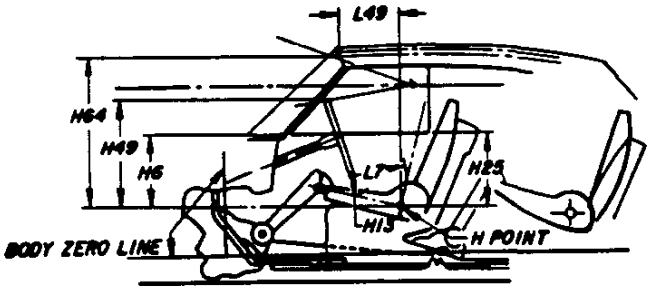


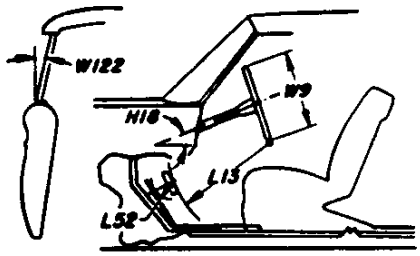
			Club Coupe		Convertible	Sedans	
	CODE	DESCRIPTION	527	627-927	667-967	769	969
REAR COMPARTMENT	L50	H point couple distance	28.5	27.7	28.8	30.9	31.4
	H10	H point to ground	15.4	15.0	15.2	16.8	16.5
	H63	Effective head room	36.6	37.2	37.8	36.6	36.8
	H38	Headlining to roof height	.0	.1	---	.6	
	L51	Minimum effective leg room	31.1		31.4	33.6	33.5
	H31	H point to heel point	8.7	8.6	8.7	10.0	
	H68	Depressed floor covering thickness	.4	.2	.2	.4	.2
	L48	Minimum knee room	.9	---	---	2.3	2.6
	L3	Rear compartment room	23.4	22.4	23.9	25.4	
	L41	Back angle	19°	21.5°	19°	27°	21°
	L43	Hip angle	67°	70°	68°	83°	76.5°
	L45	Knee angle	73°		74.5°	84°	83°
	L47	Foot angle	113°	109°	112°	117°	116°
	H66	H point differential, side to center	.3	.1	.3	.4	.2
	H55	H point to tunnel	2.6	2.3	2.4	3.9	





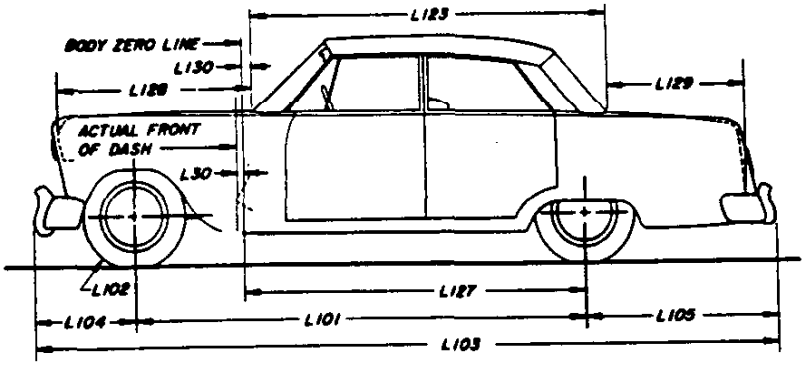
			MODELS				
			Club Coupe		Convertible	Sedans	
	CODE	DESCRIPTION	527	627-927	667-967	769	969
SEAT AND ENTRANCE — FRONT	W1	Hat room	50.8	50.7		50.8	
	W3	Shoulder room	53.9				
	W5	Hip room	58.2				
	W16	Seat width	50.7	53.2		50.7	53.1
	H3	Seat chair height	9.9			10.0	9.9
	H50	Upper body opening to ground	45.9		45.1	46.0	45.9
	H11	Entrance height	28.8	28.7	27.9	29.0	28.7
	L18	Entrance - foot clearance	13.2	13.2	13.0	13.8	13.2
	H32	Seat cushion deflection	3.7	3.5	4.0	3.7	3.5
	L14	Thickest point of seat back, at C/LO	6.0	6.5		6.0	6.4
	H26	Interior body height - at car C/L	43.4	---	---	43.6	---
	H27	Interior body height - at C/LO	43.1	42.8	42.2	43.1	43.2
REAR	W2	Hat room	48.8	49.0	47.3	46.4	47.8
	W4	Shoulder room	52.0		43.9	53.6	
	W6	Hip room	56.7	56.6	47.2	56.7	57.6
	H8	Seat chair height	9.4	8.8	8.7	11.3	11.5
	H51	Upper body opening to ground	---	---	---	45.8	
	H12	Entrance height	---	---	---	29.0	29.3
	H69	Exit height	---	---	---	27.4	27.5
	L19	Entrance - foot clearance	9.2		9.4	11.0	
	H33	Seat cushion deflection	3.9	4.6	4.0	3.2	3.4
	L15	Thickest point of seat back, at C/LO	5.7	6.2		5.7	
	H28	Interior body height - at car C/L	40.4	40.9	41.4	42.5	
	H29	Interior body height - at C/LO	41.6	41.8	42.6	43.6	



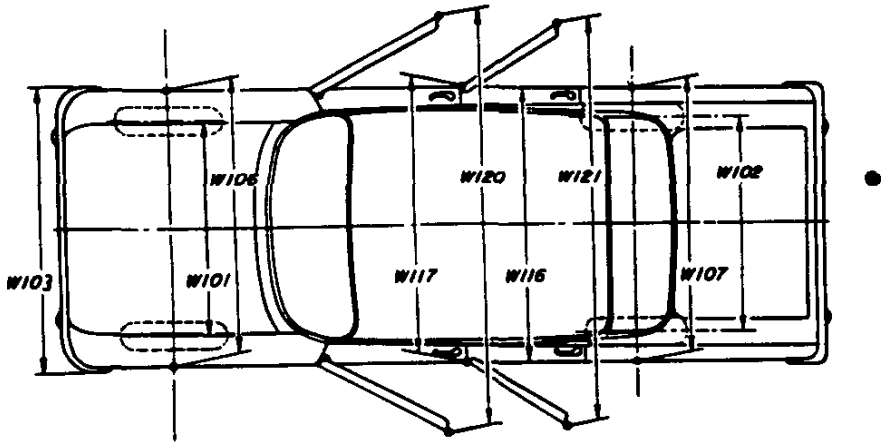


			Club Coupe		Convertible	Sedans	
	CODE	DESCRIPTION	527	627-927	667-967	769	969
VISION AND CONTROL	H6	H point to windshield bottom	18.3	18.1		18.3	18.1
	H64	H point to windshield upper DLO	30.6	30.4	30.3	30.6	30.4
	L49	H point to windshield upper DLO	12.0			12.3	12.1
	H25	Belt height - front	16.7	16.6		16.8	16.6
	W7	Steering wheel center to C/L of car	14.0				
	W9	Steering wheel outside diameter	16.0				
	H18	Steering column angle - horizontal	20°				
	H49	H point to top of steering wheel	22.6	22.4		22.7	22.4
	L7	Steering wheel torso clearance	12.0	11.9		12.2	12.0
	H13	Steering wheel thigh clearance	3.1	3.0		3.2	2.9
	L13	Brake pedal knee clearance	24.0				
	L52	Brake pedal to accelerator	2.9				
	W122	Tumble - home	14°				

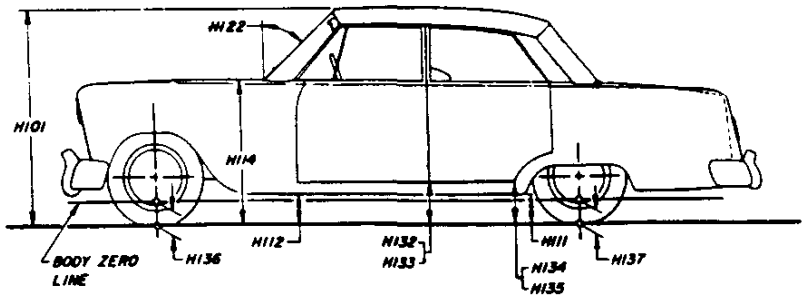
EXTERIOR DIMENSIONS



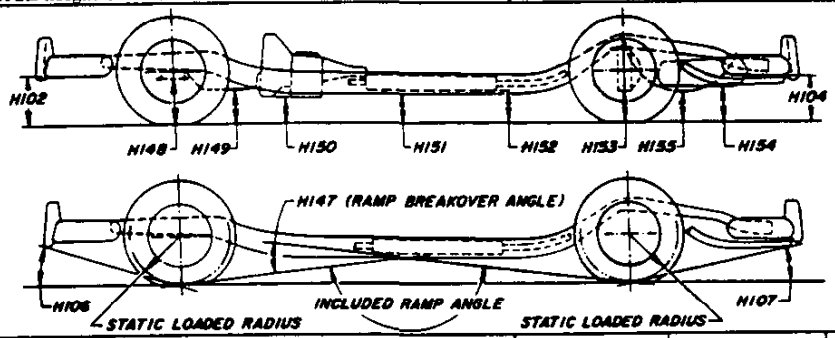
	CODE	DESCRIPTION	MODELS		
			Club Coupe	Convertible	Sedans
LENGTHS	L30	Body O line to actual front of dash	.6		
	L101	Wheelbase	108.0		
	L104	Overhang, front	30.3		
	L105	Overhang, rear	41.7		
	L103	Overall length	180.0		
	L128	Hood length at centerline	42.4		
	L123	Body upper structure length at car centerline	85.7	90.2	95.7
	L129	Deck length at centerline	44.3	39.9	35.3
	L127	Body O line to centerline of rear wheels	99.0		
	L130	Body O line to windshield cowl point	9.7		
	L102	Tire size	6.50 x 13		
		Overall length - less bumpers	176.7		



	CODE	DESCRIPTION	Club Coupe	Convertible	Sedans
WIDTHS	W101	Tread - front	54.4		
	W102	Tread - rear	55.1		
	W103	Maximum overall width of car	67.0		
	W116	Maximum overall width of body	67.0		
	W117	Maximum body width at #2 pillar	---	---	66.0
	W106	Front fender overall width	66.3		
	W107	Rear fender overall width	65.5		
	W120	Maximum overall width, front doors open	145.5		130.1
	W121	Maximum overall width, rear doors open	---	---	124.1

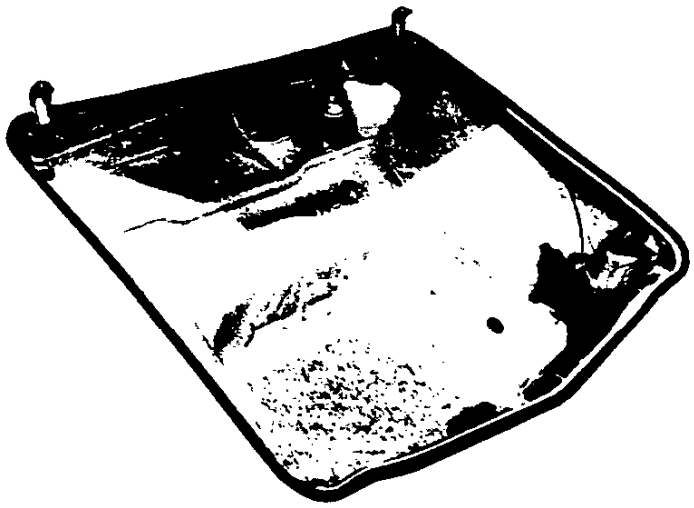


	CODE	DESCRIPTION	MODELS		
			Club Coupe	Convertible	Sedans
HEIGHTS	H101	Overall height (Design)	51.4	51.1	51.5
	H114	Hood at rear to ground	34.2		
	H112	Rocker panel to ground - front	7.3		7.7
	H111	Rocker panel to ground - rear	7.0		7.2
	H115	Step height - front (Design)	12.7		
	H116	Step height - rear (Design)	---	---	12.7
	H130	Step height - front (Curb)	14.3		
	H131	Step height - rear (Curb)	---	---	14.2
	H132	Bottom of door to ground, open - front	12.4		12.2
	H133	Bottom of door to ground, closed - front	10.8		
	H134	Bottom of door to ground, open - rear	---	---	10.8
	H135	Bottom of door to ground, closed - rear	---	---	10.6
	H102	Front bumper to ground	15.0	14.8	15.1
	H104	Rear bumper to ground	15.5	15.3	15.2
	H122	Windshield slope angle	52.8		
	H136	Body O line to ground - front	5.1		
	H137	Body O line to ground - rear	5.1		
	H125	Headlamp to ground	24.2		
	H126	Taillamp to ground	23.6		
	H158	Roof thickness	5.8	6.1	5.7
	H159	DLO height	12.2	12.0	12.4
	H160	Body thickness	26.2		
	H301	Lift over height	28.6		
		Overall height (Curb)	52.3	52.0	52.9



	CODE	DESCRIPTION	Club Coupe	Convertible	Sedans
CLEARANCES	H106	Angle of approach	24.8	24.4	25.4
	H107	Angle of departure	15.4	15.0	14.5
	H147	Ramp breakover angle	12.9	12.5	12.7
	H148	Front suspension to ground	5.8	6.0	
	H149	Oil pan to ground	6.0	5.8	6.0
	H150	Flywheel housing to ground	5.5		
	H151	Frame to ground	5.8	5.6	5.8
	H152	Exhaust system to ground	7.6	7.4	7.2
	H153	Rear axle to ground	5.9	5.7	5.4
	H154	Fuel tank to ground	6.6	6.4	6.6
	H155	Tire well to ground	---	---	---
	H156	Minimum ground clearance	5.5		

SEDAN TRUNK CAPACITIES



TRUNK CAPACITIES (CU.FT.)

Model	Location	Overall	Standard Luggage
All	Front compartment	12.6 (10.5 with A/C)	6.6
	Rear seat well (exc. 666, 967)	3.2	1.2
	Rear compartment (inc. seat well and folding seat down) (exc. 667, 967)	16.5	15.3
	Total capacity	29.1 (27.0* with A/C)	21.9

* 12.6 on models 667, 967

GREENBRIER EXTERIOR – INTERIOR DIMENSIONS

EXTERIOR LENGTHS

DESCRIPTION	MODEL R1206
Wheelbase	95.0
Overall length	179.7
Front overhang	44.4
Rear overhang	40.3
Body "O" to centerline of rear wheels	133.5

EXTERIOR HEIGHTS

Overall height	68.5
Floor to ground	28.5
Front bumper height	21.5
Rear bumper height	19.2
Sill height	9.9
Angle of approach	19°57'
Angle of departure	18°51'
Minimum ground clearance	6.6
Rear load door height	35.4

EXTERIOR WIDTHS

Front tread	58.0
Rear tread	58.0
Overall width	70.0
Rear load door width	46.0

INTERIOR LENGTHS

Front leg room	44.5
Rear leg room	37.8
Steering wheel to seat back	16.0
Front seat depth	17.3
Rear seat depth	17.3
Load floor length from rear of front seat	117.5
Load floor length from rear of second seat	78.0

INTERIOR HEIGHTS

Front torso room (depressed)	39.7
Rear torso room (depressed)	42.6
Front entrance	31.5
Rear entrance	33.5
Steering wheel to seat cushion	6.8
Rear load floor height	39.7
Rear load floor loading height to ground	28.5

INTERIOR WIDTHS

Front shoulder room	59.5
Rear shoulder room	59.5
Front hip room	61.4
Rear hip room	61.6
Rear load floor width (between wheelhouses)	44.5

VEHICLE WEIGHTS

500 SERIES

Model	VEHICLE TYPE Description	SHIPPING WEIGHT Front	Rear	Total	CURB WEIGHT Front	Rear	Total	DESIGN WEIGHT ¢ Front	Rear	Total
527	2-Door Club Coupe 6-Cylinder	800	1565	2365	880	1570	2450	1110	1940	3050
527P		800	1570	2370	880	1575	2455	1110	1945	3055

600 SERIES

627	2-Door Club Coupe 6-Cylinder	835	1635	2470	915	1640	2555	1145	2010	3155
627P		835	1645	2480	915	1650	2563	1145	2015	3165
667	2-Door Convertible 6-Cylinder	895	1685	2580	975	1690	2665	1210	2055	3265
667P		895	1690	2585	975	1695	2675	1210	2065	3275

700 SERIES

727	2-Door Club Coupe 6-Cylinder	810	1580	2390	890	1585	2475	1120	1955	3075
727P		810	1585	2395	890	1595	2485	1120	1965	3085
769	4-Door Sedan 6-Cylinder	795	1620	2415	875	1625	2500	1095	2005	3100
769P		795	1630	2425	875	1635	2510	1095	2010	3105

900 SERIES

927	2-Door Club Coupe 6-Cylinder	830	1615	2445	910	1620	2530	1140	1990	3130
927P		830	1675	2455	910	1630	2540	1140	2000	3140
967	2-Door Convertible, 6-Cylinder	890	1665	2555	970	1670	2640	1205	2040	3245
967P		890	1670	2560	970	1680	2650	1205	2045	3250
969	4-Door Sedan 6-Cylinder	810	1660	2470	890	1665	2555	1110	2045	3155
969P		810	1665	2475	890	1670	2560	1110	2050	3160

GREENBRIER R1206

R1206	6-Door Sports Wagon 6-Cylinder	1260	1730	2990	1355	1750	3105	1785	2200	3985
R1206A		1265	1735	3000	1360	1760	3120	1795	2200	3995

A - Automatic
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.

CURB WEIGHT: The weight of the empty vehicle ready to drive. It is the shipping weight plus the weight of gasoline. For the weight of gasoline add 86 pounds (115 pounds for Greenbrier).

DESIGN WEIGHT: The curb weight of the basic vehicle plus 150 pounds for each passenger.

Example:

Model 727 (4-passengers, 2-front, 2-rear)

2475 + 600 = 3075

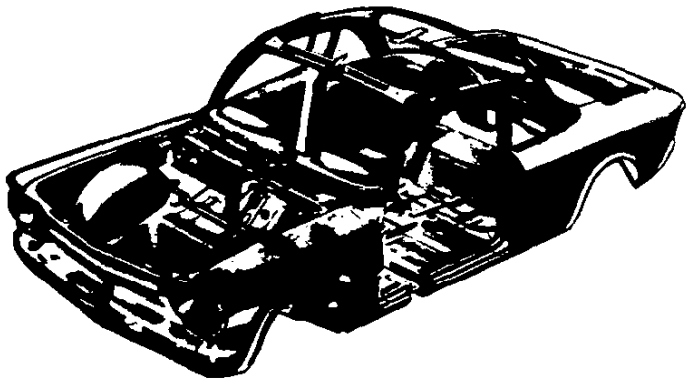
PERFORMANCE WEIGHT: The curb weight of the lowest priced 4-door sedan with regular equipment plus 600 pounds for 4-passengers.

Example:

Model 769 (4-passengers) 2500 + 600 = 3100

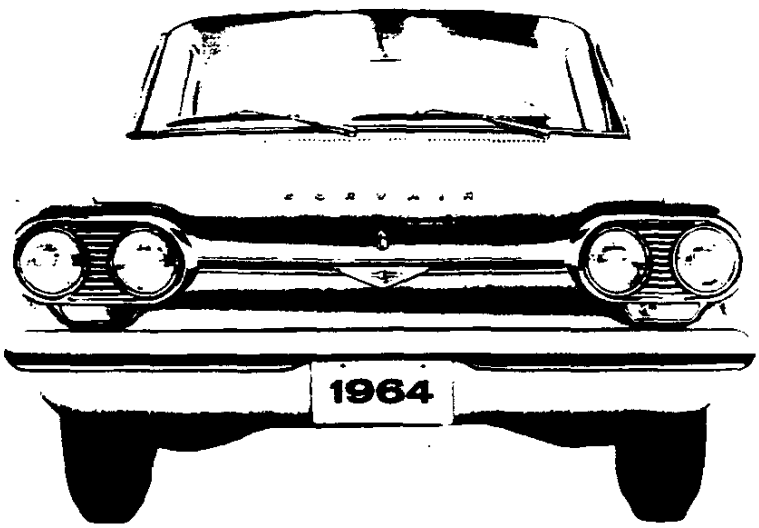
¢ - Based on passenger weight distribution of number of passengers in front and rear. For total loaded weight, add 150 lbs. for each passenger in the designated passenger carrying capacity for the particular vehicle.

BODY



FOR COMPLETE SPECIFICATIONS ON GREENBRIER SPORTS WAGON, SEE 1964 CHEVROLET TRUCK SPECIFICATIONS.

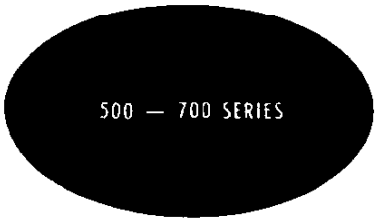
EXTERIOR PAINT PROCESS



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 asphalitic 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.

EXTERIOR–INTERIOR COLOR COMBINATIONS



EXTERIOR			INTERIOR TRIM COLORS AND RPO NUMBERS						
			Fawn	Aqua	Red	Fawn	Aqua	Red	Blue
			Model 527			Model 769			
RPO	Color	Sales Name	764	720	783	757	751	780	731
900	Black	Tuxedo Black	X	X	X	X	X	X	X
905	Med. Green	Meadow Green	X			X			
908	Dk. Green	Bahama Green	X			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			
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	Dark Green/Medium Green		X			X			
954	White/Medium Green		X			X			
959	White/Medium Blue		X						X
960	Dark Blue/Medium Blue		X						X
965	White/Dark Aqua			X			X		
971	Beige/Light Saddle		X			X			
975	Beige/Medium Red		X		X	X		X	
982	Dark Blue/Silver		X						X
988	Medium Aqua/White			X			X		
993	Beige/Maroon		X			X			
995	Silver/Maroon				X			X	

MONZA-MONZA SPYDER SERIES

EXTERIOR			INTERIOR TRIM COLORS AND RPO NUMBERS						
			Fawn	Aqua	Red	Blue	Saddle	Black	White
			Models 927-67-69, 627-67						
RPO	Color	Sales Name	758	755	781	732	705	712	727
900	Black	Tuxedo Black	X	X	X	X	X	X	X
905	Med. Green	Meadow Green	X					X	
908	Dk. Green	Bahama Green	X				X		
912	Med. Blue	Silver Blue				X		X	
916	Dk. Blue	Daytona Blue				X			
918	Med. Aqua	Azure Aqua		X				X	
919	Dk. Aqua	Lagoon Aqua		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		
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	
948	Maroon	Palomar Red	X		X			X	X

Convertible top: white (Reg. Prod.), black (RPO C05AA) or beige (RPO C05BA) with any exterior color.
Instrument panel, steering wheel and carpet are red in white interior.
Two-Tone exterior not available for Monza or Monza Spyder models.

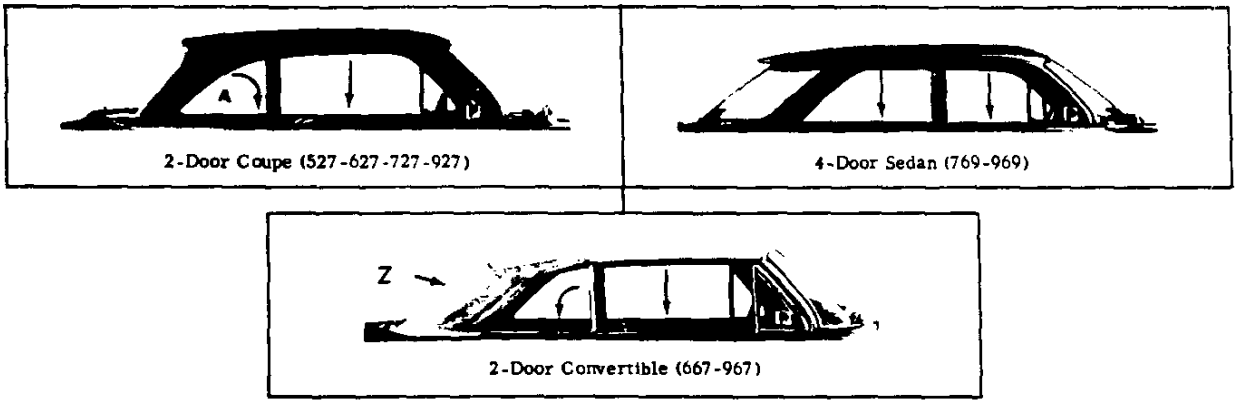
GREENBRIER EXTERIOR – INTERIOR COLOR COMBINATIONS

EXTERIOR		INTERIOR TRIM COLORS				
		R-1206	R-1206 Deluxe			
RPO	Color	Fawn	Med. Fawn	Turquoise	Red	Lt. Green
		Std.				
500	Black	X		X		
503	Light Green	X				X
505	Dark Green	X				X
507	Light Blue	X	X			
508	Dark Blue	X	X			
510	Turquoise	X		X		
514	Red	X			X	
516	Orange	X	X			
519	Yellow	X	X			
521	White	X			X	
522	Gray	X			X	
524	Coppertone	X	X			
526	Off-White	X			X	
528	Fawn	X	X			
529	Gray-Green	X	X			
Two-Tone (Insert/Body)						
530	Off-White/Black	X		X		
533	Off-White/Light Green	X				X
535	Off-White/Dark Green	X				X
537	Off-White/Light Blue	X	X			
538	Off-White/Dark Blue	X	X			
540	Off-White/Turquoise	X		X		
541	Red/Off-White	X			X	
544	Off-White/Red	X			X	
545	Red/White	X			X	
546	Off-White/Orange	X	X			
549	Off-White/Yellow	X	X			
552	Off-White/Gray	X			X	
554	Off-White/Coppertone	X	X			
558	Off-White/Fawn	X	X			
559	Off-White/Gray-Green	X	X			

• - Part of RPO Z60 Deluxe Body Equipment

BODY GLASS

WINDOW ACTION



2-Door Coupe (527-627-727-927)

4-Door Sedan (769-969)

2-Door Convertible (667-967)

P - Pivoting - friction type
Z - Zip-Out
- Rotating (Rocker action)
- Rotating (667-967)

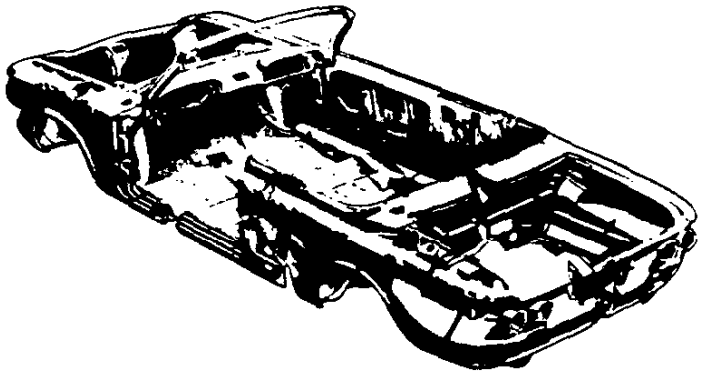
(a) - Fixed on 527

BODY GLASS TYPE AND VISIBILITY AREA

LOCATION		MODELS				
		527	727	627-927	769-969	667-967
Windshield		1122.8				1122.8
Front Door Window	Pivoting Ventipane	62.0				80.8
	Roll Down	706.0			482.1	639.5
Rear Door Window	Roll Down				610.6	
Rear Quarter Window	Roll Down		259.2			303.2
	Fixed	247.7				
Back Window	One-Piece	1069.2			1104.2	726.6*
Total Visibility (Sq In.)		3207.7	3219.2		3381.7	2872.9

All glass is Safety Solid Plate except the windshield which is Laminated Safety Plate.
* - Plastic

BODY CONSTRUCTION



GENERAL

Type ---------- Integral, with step-down underbody floor, front and rear side rail type members, and front and rear end sheet metal components welded to the body assembly.

DOORS AND LOCKS

Door Construction (front and rear) ------ Two full steel welded panels hinged at front

Door Handles ---------- Push-button with rotary type door latches. Inside push button locks on 4-door models (rear doors).

Door Ventipanes ---------- Friction type

VENTILATION

Type ---------- Cowl top with plenum chamber.

HOOD AND DECK LID

Type ---------- Dual panel construction, torsion rod counterbalanced luggage compartment lid with external keylock release, telescoping link engine compartment lid with external release lever.

WINDSHIELD WIPERS

Type ---------- Positive action single speed electric.

Linkage ---------- Parallel acting

SEAT CONSTRUCTION

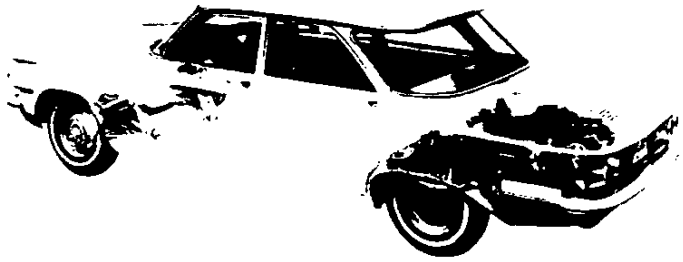
Type ---------- Front seat cushion - 500-700, 3/4 polyurethane; 600-900, 1-1/2 polyurethane.

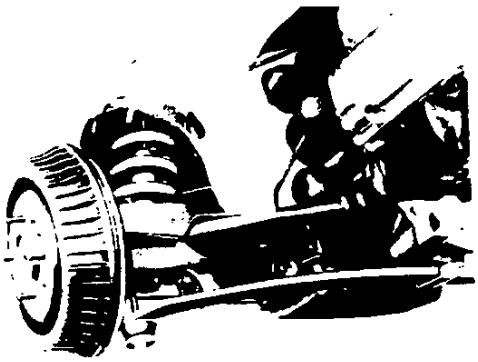
--------- Rear seat cushion - 500-600-700, 927-967, Jute and cotton; 969, 1-3/4 polyurethane.

SPARE TIRE MOUNT

Location ---------- Sedans and coupes, right rear corner in engine compartment. Tools consist of scissors jack and combination wheel nut wrench and lever handle.

CHASSIS

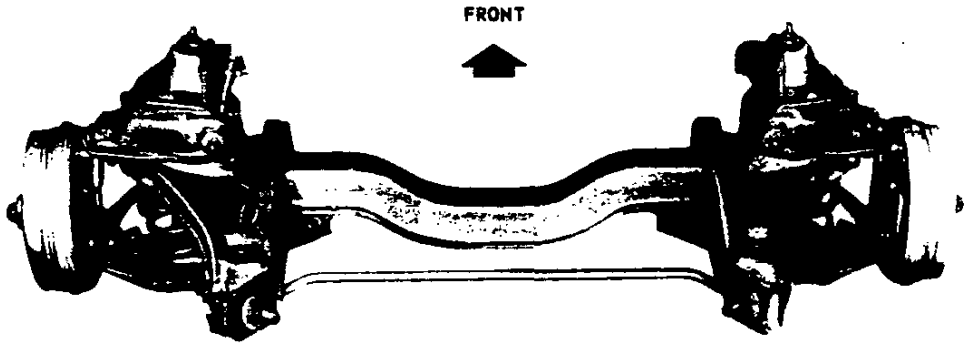




REAR SUSPENSION

FOR COMPLETE GREENBRIER SPECIFICATIONS,
SEE 1964 CHEVROLET TRUCK SPECIFICATIONS.

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. Front suspension, front crossmember and steering linkage unitized as sub-assembly.

Wheel travel, from design attitude

Jounce	3.90
Rebound	3.22
Wheel to spring ratio	1.63

CONTROL ARMS

Description

Upper ---------- Stamped A frame rubber-bushed at pivot.

Lower ---------- Strut-supported, stamped frame rubber-bushed at pivot.

Bushings

Type ---------- Pre-loaded, steel encased rubber

STEERING KNUCKLE

Description ---------- Forged steel with integral brake cylinder mounting, and detachable steering knuckle arm

Spindle

Diameters

At inner bearing	1.0618-1.0623
At outer bearing	.6868-.6873
Thread size	11/16-24 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: one, a teflon-coated phenolic; the other, a teflon-cotton composition

Lower ---------- One bearing, a non-metallic, teflon-cotton composition

Seals

Description

Upper and lower ---------- Neoprene with phenolic contact surface, reinforced with steel retainer

Lubrication

Upper and lower ---------- High pressure grease fitting

SHOCK ABSORBER

Type	Direct, double-acting, hydraulic
Secured (through coil spring) to	Lower control arm front crossmember shock absorber bracket
Piston diameter and travel (unassembled)	1.00,4.75
Piston rod plating	Chrome

STABILIZER BAR

Type	Linkless
Material	HR Steel
Diameter	.75
Bushing material	Natural or synthetic rubber

FRONT WHEEL ALIGNMENT

Design

Camber (degrees)	0 to P1
Caster (degrees)	P2-3/4 to P3-3/4
Toe-in (per wheel)	1/32

Curb

Camber (degrees)	0 to P1
Caster (degrees)	P1-1/2 to P2
Toe-in (per wheel)	5/32
Steering axis inclination (degrees)	6-1/2 to 7-1/2

FRONT SPRINGS ●

For all power team combinations

3848975
- Model application ---------- 527,627,769,927,969
- Type ---------- Right hand helix
- Material -------- Steel alloy, heat treated and drawn
- Cut-off length ---------- 90.351
- Number of coils (active, total) ---------- 5.85, 7.184
- Wire diameter ---------- .470
- Outside diameter ---------- 4.393
- Pitch diameter ---------- 3.923
- Height
  - Free ---------- 10.651
  - Working (inches @ lb) ---------- 6.42 @ 770
- Deflection rate between 8.95 and 11.95 (lb. per inch)
  - @ Spring ---------- 182
  - @ Wheel (wheel rate) ---------- 106.5

3826077

Same as 3848975 except as follows

- Model application ---------- 667,967
  - Cut-off length ---------- 92.18
  - Number of coils (active, total) ---------- 5.85,7.85
- Height
  - Free ---------- 11.12
  - Working (inches @ lb) ---------- 6.42 @ 855

STEERING

GENERAL
- Description ---------- Semi-reversible, recirculating ball and nut steering gear with integral shaft
- Steering gear
  - Gear ratio ---------- 18:1
  - Overall ratio ---------- 25:1
- Turning characteristics
  - Turning diameters (ft)
    - Outside front
      - Wall to wall, right and left ---------- 40.1
      - Curb to curb, right and left ---------- 38.2
    - Inside rear
      - Wall to wall, right and left ---------- 22.8
      - Curb to curb, right and left ---------- 23.1
- Number of wheel turns, lock to lock ---------- 4.75
- Outside wheel angle with inside wheel @ 20 degrees ---------- 18.18
- Steering shaft
  - Number ---------- 1
  - Diameter ---------- .625
- Steering wheel
  - Type ---------- Deep dished, two spoke
  - Diameter ---------- 16.00
- Linkage
  - Type ---------- Parallel relay
  - Location ---------- Front of wheels
  - Number of tie rods ---------- 2
- Lubrication points ---------- 4; one at each end of each tie rod

REAR SUSPENSION

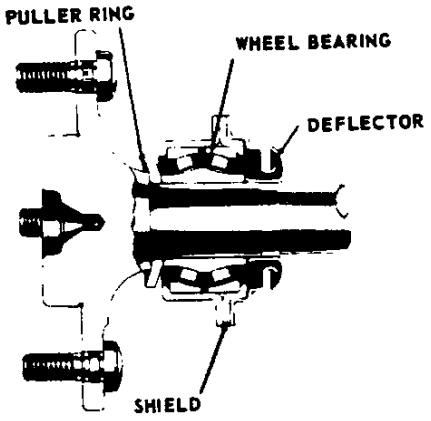
GENERAL
- Description ---------- Independent, swing axle type, with rigidly mounted differential carrier. Locus of each wheel established by 2 links - universally-jointed axle and control arm. Drive taken through control arms; torque taken through chassis. Vertical suspension loads taken by coil springs and concentric shock absorbers, and transversely-positioned single leaf spring. Toe-in adjustments achieved with shims at transmission and engine mounts.
- Wheel travel, from design attitude
  - Jounce ---------- 2.83
  - Rebound ---------- 3.64
- Wheel to spring ratio
  - Coil ---------- 1.80
  - Leaf ---------- 1.22

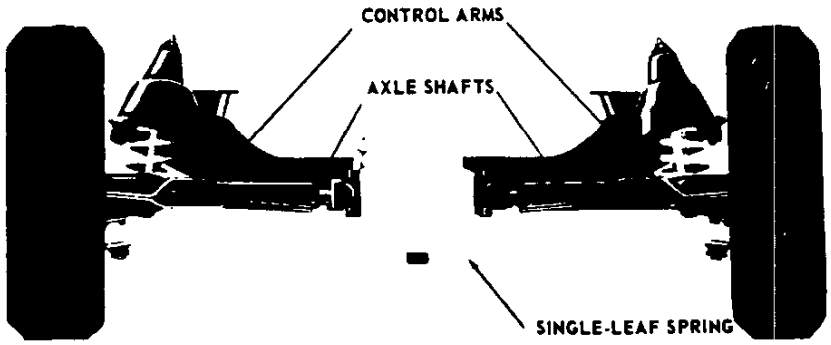
CONTROL ARMS
- Description ---------- Box-sectioned A member rubber-bushed at pivot
- Bushings
  - Type ---------- Pre-loaded steel encased rubber

SHOCK ABSORBERS
- Type ---------- Direct, double-acting, hydraulic
- Secured (through coil spring) to ------ Rear suspension crossmember and control arm
- Piston diameter and travel (unassembled) ---- 1.00,4.75
- Piston rod plating ---------- Chrome

REAR WHEEL ALIGNMENT
- Design
  - Camber (degrees) ---------- N2-1/2
  - Toe-in (degrees) ---------- 5/16
- Curb
  - Camber (degrees) ---------- P1
  - Toe-in (overall) ---------- 1/4

WHEEL BEARINGS
- Type ---------- Double row spherangular roller lubricated for life
- Quantity ---------- One per wheel





REAR SPRINGS ●

For all power team combinations

Deflection rate at wheel (wheel rate) for combined coil and leaf spring, lb per inch ---------- 142.5

Coil - 3848969
Left hand sides for models 527,769,627,927,969
- Type ---------- Right hand helix
- Material -------- Steel alloy, heat treated and drawn
- Cut-off length ---------- 111.687
- Number of coils (active, total) ---------- 7.50,8.834
- Wire diameter ---------- .506
- Outside diameter ---------- 4.465
- Pitch diameter ---------- 3.959
- Height
  - Free ---------- 13.369
  - Working (inches @ lb) ---------- 7.45 @ 1095
- Deflection rate between 5.95 and 8.95 (lb per inch) @ Spring ---------- 185

Coil - 3848967
Right hand side for models 527,769,627,927,969

Same as 3848969 except as follows

- Cut-off length ---------- 98.804
- Number of coils (active, total) ---------- 6.50,7.834
- Wire diameter ---------- .486
- Outside diameter ---------- 4.425
- Pitch diameter ---------- 3.939
- Height
  - Free ---------- 12.585
  - Working (inches @ lb) ---------- 7.45 @ 950

Coil - 3848970
Left hand side for models 667,967

Same as 3848969 except as follows

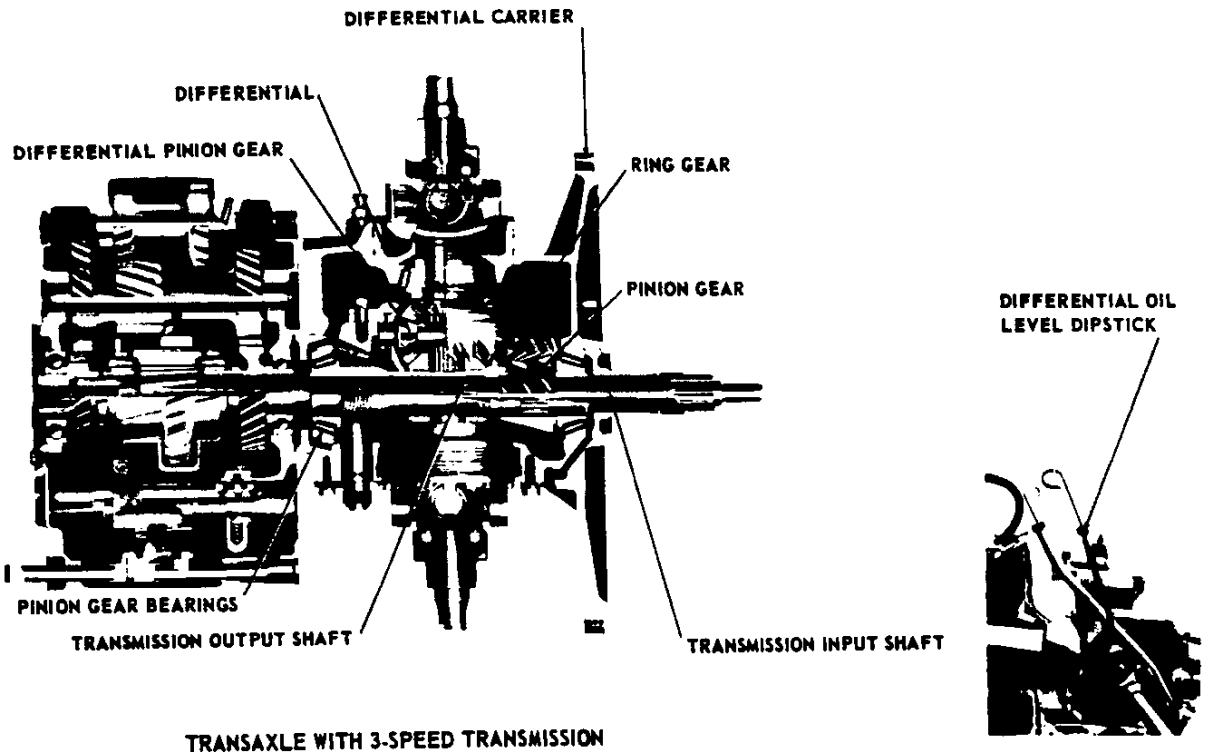
- Height
  - Free ---------- 13.774
  - Working (inches @ lb) ---------- 7.45 @ 1170

Coil - 3848968
Right hand side for models 667,967

Same as 3848969 except as follows

- Cut-off length ---------- 98.804
- Number of coils (active, total) ---------- 6.50,7.834
- Wire diameter ---------- .486
- Outside diameter ---------- 4.425
- Pitch diameter ---------- 3.939
- Height
  - Free ---------- 13.018
  - Working (inches @ lb) ---------- 7.45 @ 1030

Leaf spring (transverse)
- Type ---------- Single leaf
- Material ---------- Chrome carbon steel, heat treated
- Length, flat, between eye centers ---------- 45.50
- Width ---------- 2.68
- Design load @ ℄, lb @ - camber ---------- 915 @ .81
- Deflection rate, lb per inch ---------- 290



TRANSAXLE WITH 3-SPEED TRANSMISSION

GENERAL

Type ---------- Straddle-mounted hypoid gear in rigidly mounted differential carrier. Drive pinion gear overhung and supported in two taper roller bearings.

Lubricant

Type --- Meeting Military Specification MIL-L-2105-B

Viscosity ---------- SAE 80

Capacity (pts) ---------- 4.0

Filler plug ---------- 3/4 pipe plug

Regular production ratios ---------- 3.27:1, 3.55:1

3.27:1 teeth combination

Pinion gear ---------- 11

Hypoid gear ---------- 36

3.55:1 teeth combination

Pinion gear ---------- 9

Hypoid gear ---------- 32

DIFFERENTIAL CARRIER

General

Offset ---------- 1.75

Provision for adjustment --- Shim between pinion gear rear bearing and pinion gear

Hypoid gear

Outside diameter ---------- 6.750

Differential

Type ---------- 2 pinion

AXLES

Construction ---------- Forged and hardened steel with drive flange forged integral

BRAKES

SERVICE BRAKES, regular production

General

Type ---------- *Duo-servo; 4-wheel hydraulic, reverse self-adjusting*

Line pressure @ 100 lb pedal load, psi --------- 783

Braking ratios

Pedal ---------- 6.15:1

Hydraulic ---------- 3.29:1

Overall ---------- 20.23:1

Distribution of braking effort (theoretical, percent)

Front wheels ---------- 46

Rear wheels ---------- 54

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 ---------- 197.7

Diameter, front and rear ---------- 9.0

Brake lining

Material -------- Full molded asbestos composition

Length

Primary shoe ---------- 8.62

Secondary shoe ---------- 9.40

Width, front and rear ---------- 1.75

Thickness, minimum @ ℄

Primary ---------- .17

Secondary ---------- .20

Method of attachment ---------- Bonded

Total effective area, sq. inches ---------- 126.1

Master cylinder

Location ---------- Luggage compartment on dash panel

Piston diameter ---------- 1.00

Piston travel (with available pedal travel) ------- .98

Wheel cylinders

Location

Front ---------- Steering knuckle

Rear ---------- On backing plate

Piston diameters

Front ---------- .875

Rear ---------- .9375

Foot pedal

Type ---------- Pendant

Travel ---------- 6.00

PARKING BRAKE

Type ---------- Mechanical pull rod, pulleyes and *cables operate rear service brakes*

Total effective area, sq. inches ---------- 63

Control ---------- Hand-grip ratchet type handle with trigger-release in grip. Located under instrument panel to left of steering column.

STOPLIGHT SWITCH

Type ---------- Mechanical, make-break, normally on

Location ---------- On dash panel brace

Activation ---------- Brake pedal

WHEELS AND TIRES

WHEELS, regular production

Type ---------- Short spoke full disk

Attachment to hub --------- 4 hex nut, 7/16-20 UNF 2B, arranged on a 4.50 dia. bolt circle

Offset ---------- 1.00

Rim size ---------- 13 x 5.5J

WHEELS, RPO-3-P45

Type ---------- Rim and shell, spoke

Material ---------- Steel

Rim size ---------- 13 x 5.5J

Offset ---------- 1.00

Method of retention ---------- Adaptor and lock nut (2-5/8-8 UN 2A)

TIRES *

Type ---------- Rayon tubeless, blackwall

Construction ---------- 2 ply

Size ---------- 6.50 x 13-4 PR

Specifications

Loaded rolling radius ---------- 11.7

Loaded rev/mile ---------- 864

Capacity (lb @ psi) ---------- 835 @ 24

Recommended inflation, psi (cold)

Front ---------- 15

Rear ---------- 26

* Regular production shown; tire with RPO-3-P45 same as regular production except tube type.

LAMPS	NO. REQUIRED	TRADE NO.	CANDLE POWER PER LAMP
Automatic transmission dial indicator	1	1445	1
Back up	2	1156	32
Clock	1	1895	2
Courtesy (instru. panel)	2	631	6
Direction signal indicators	2	Except 600, 1445 Model 600, 1895	1 2
Dome	2	211	12
Fuel gage	1	1895	2
Generator and fan indicator	1	1895	2
Glove compartment	1	1895	2
Headlamps			
Outer	2	4002	High beam, 37.5W Low beam, 55.0W ●
Inner	2	4001	High beam, 37.5W
Headlamps hi-beam indicator	1	1445	1
Heater controls	1	1445	1
Instrument cluster	2	Except 600, 1816 Model 600, 1895	2 2
License plate, rear	1	1155	4
Luggage compartment	1	1003	15
Oil pressure and temp. indicator	1	1895	2
Parking			
Park	2	1157	4
Turn			32
Parking brake alarm	1	257	2
Radio	1	1893	2
Tachometer	1	1895	2
Tail			
Tail, Stop and Turn	2	1157	4 32 32
Temperature gage	1	1895	2
Underhood lamp	1	93	15
Vacuum gage	1	1895	2

DEVICE PROTECTED	TYPE OF PROTECTION	LOCATION AND CIRCUIT *
Air conditioning	2 AGC 15 fuses	In line
Auto. trans. dial indicator lamp	AGC 3 fuse	Fuse panel (c)
Back up lamps	5 and 700, AGC 10 fuse 6 and 900, AGC 15 fuse	Fuse panel (d)
Cigarette lighter	AGC 10 fuse	Fuse panel (b)
Clock	AGC 10 fuse	Fuse panel (G)
Clock lamp	AGC 3 fuse	Fuse panel (c)
Courtesy lamps (instru. panel)	AGC 10 fuse	Fuse panel (G)
Direction signal indicator lamps	AGC 3 fuse	Fuse panel (c)
Dome lamp	AGC 10 fuse	Fuse panel (b)
Folding top motor	40 and CB	Instru. panel (h)
Fuel gage	5 and 700, AGC 10 fuse 6 and 900, AGC 15 fuse	Fuse panel (d)
Fuel gage lamp	AGC 3 fuse	Fuse panel (c)
Generator and fan indicator lamp	5 and 700, AGC 10 fuse 6 and 900, AGC 15 fuse	Fuse panel (d)
Glove compartment lamp	AGC 10 fuse	Fuse panel (G)
Headlamps	15 amp CB	Light switch (a)
Headlamps hi-beam indicator	15 amp CB	Light switch (a)
Heater, 5 and 700	AGC 10 fuse	Fuse panel (d)
Heater, 6 and 900	AGC 15 fuse	Fuse panel (d)
Heater control lamp	AGC 3 fuse	Fuse panel (c)

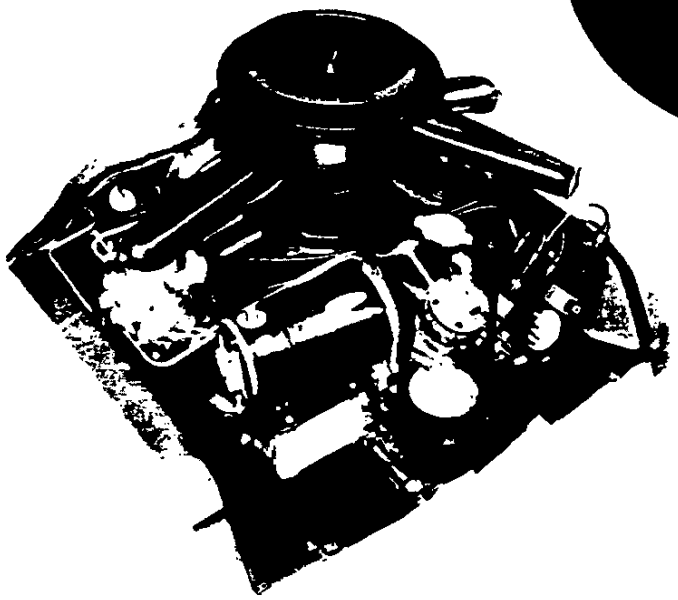
* - Letter suffix indicates same circuit ●

Continued on page 8

DEVICE PROTECTED	TYPE OF PROTECTION	LOCATION AND CIRCUIT •
Instrument cluster	AGC 3 fuse	Fuse panel (c)
License plate lamp	AGC 10 fuse	Fuse panel (b)
Luggage compartment lamp	AGC 10 fuse	Fuse panel (b)
Oil and temp. indicator lamp	5 and 700, AGC 10 fuse	Fuse panel (d)
Parking lamps	6 and 900, AGC 15 fuse	Light switch (a)
Parking brake alarm lamp	15 amp CB	Fuse panel (d)
Radio and radio lamp	5 and 700, AGC 10 fuse	Fuse panel (e)
Tachometer	6 and 900, AGC 15 fuse	Fuse panel (d)
Tachometer gage lamp	AGC 2.5 fuse	Fuse panel (c)
Tail lamps	AGC 15 fuse	Fuse panel (b)
Temp. gage and buzzer	AGC 3 fuse	Fuse panel (d)
Temperature gage lamp	AGC 10 fuse	Fuse panel (c)
Underhood lamp	AGC 15 fuse	In line
Vacuum gage lamp	AGC 3 fuse	Fuse panel (c)
W/S wiper (single-speed)	AGC 4 fuse	Fuse panel (f)
W/S wiper (two-speed)	AGC 3 fuse	Fuse panel (f)
	SAE 20 fuse	Switch (L)
	SAE 20 fuse	
	14 amp CB	

• - Letter suffix indicates same circuit

POWER TRAINS



FOR COMPLETE SPECIFICATIONS ON GREENBRIER SPORTS WAGON, SEE 1964 CHEVROLET TRUCK SPECIFICATIONS.

POWER TEAM COMBINATIONS

ENGINE	EQUIPMENT	TRANSMISSION	AXLE RATIOS* General Purpose Standard	AXLE RATIOS* Special Purpose or Mountain	AXLE RATIOS* High Performance
164 CUBIC INCH TURBO-AIR 95 HP 6-CYLINDER	2-SINGLE BARREL CARBURETORS HYDRAULIC LIFTERS	5-7-900 MODELS 3-SPEED	3.27:1	3.55:1	
		4-SPEED	3.27:1	3.55:1	
		POWERGLIDE	3.27:1	3.55:1	
164 CUBIC INCH TURBO-AIR (RPO L62) 110 HP 6-CYLINDER	2-SINGLE BARREL CARBURETORS HYDRAULIC LIFTERS SPECIAL CAMSHAFT	5-7-900 MODELS 3-SPEED	3.27:1	3.55:1	
		4-SPEED	3.27:1	3.55:1	
		POWERGLIDE	3.55:1		
164 CUBIC INCH TURBOCHARGED 150 HP 6-CYLINDER	SINGLE BARREL SIDE DRAFT CARBURETOR SUPERCHARGED SPECIAL CAMSHAFT	600 MODELS 3-SPEED and 4-SPEED			3.55:1 (Std.)

* – POSITRACTION AXLE RATIOS AVAILABLE IN COMBINATIONS SHOWN.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	TRANSMISSION	TOTAL GEAR REDUCTION* 1st	2nd	3rd	4th	Rev	AXLE RATIO	MAXIMUM AXLE TORQUE LOW GEAR - Lb-Ft §
95 HP	3-Speed	10.53	6.02	3.27		11.94	3.27	1253
	4-Speed	10.46	7.16	4.71	3.27	11.96	3.27	1245
110 HP	3-Speed	10.53	6.02	3.27		11.96	3.27	
	4-Speed	10.46	7.16	4.71	3.27	11.96	3.27	
150 HP	3-Speed	11.43	6.53	3.55	-	12.96	3.55	
	4-Speed	11.36	7.77	5.11	3.55	12.99	3.55	

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
95 HP	Powerglide	Drive	15.47:1-3.27:1	3.27:1
		Low & Rev	15.47:1-5.95:1	
110 HP	Powerglide	Drive	16.79:1-3.55:1	3.55:1
		Low & Rev	16.79:1-6.46:1	

* - Axle ratio x transmission ratio.

§ - Gear reduction x maximum net engine torque x efficiency (8.90 in direct drive, 8.85 all others).

GENERAL DATA

		Conventional	Powerglide*
Piston Displacement		164	
Type		Horizontal opposed OHV	
Number Cylinders		6	
Bore and Stroke (nominal)		3.437 x 2.94	
Compression Ratio		8.25:1 (A)	
Taxable (SAE) Horsepower		28.4	
Firing Order		1-4-5-2-3-6	
Idling Speed (RPM)		500 (B)	
Compression Press. (PSI) @ Cranking Speed, Engine Hot		140	
Lubrication		Full pressure	
Power Plant Mounting		Two front and one rear shear type	
Measurements	Width (over carburetors)	30.66 (C)	
	Length (incl. clutch hsg. & oil filter)	28.55	
	Height (top air cleaner to bottom oil pan)	23.57 (C)	

A - On Hi-Perf. 110 HP Engine C.R. is 9.25:1
B - 600 RPM on Hi-Perf. 110 HP Engine and 850 RPM on Turbocharged 150 HP Engine
C - Turbocharged 150 HP Engine - Width (induction port flange to exhaust pipe) 29.30; Height 23.31

ADVERTISED ENGINE RATINGS

Engine		Turbo-Air 164 Standard	*Turbo-Air 164* Hi-Performance RPO L-62	Turbocharged
Carburetor		Two-Single barrel (one for each cylinder bank)		One-Single barrel
Brake Horsepower	Gross	95 @ 3600	110 @ 4400	150 @ 4000
	Net	78 @ 3600		
Torque (Lb Ft)	Gross	154 @ 2400	160 @ 2800	232 @ 3200
	Net	140 @ 2400		

ENGINE SPEED AND PISTON TRAVEL

Transmission		3-Speed		4-Speed		Powerglide*	
Rear Axle Ratio		3.27:1	3.55:1	3.27:1	3.55:1	3.27:1	3.55:1
Tire Size		6.50 x 13-4 PR					
Crankshaft Revolutions per Mile		2825.3	3067.2	2825.3	3067.2	2825.3	3067.2
Crankshaft RPM @ 1 MPH	Low	151.6	164.6	150.7	163.6	85.7	93.0
	Second	86.6	94.1	103.1	111.9		
	Third	47.1	51.1	67.8	73.6	47.1(a)	51.1(a)
	Fourth			47.1	51.1		
	Reverse	151.6	164.6	172.3	187.1	85.7	93.0
Piston Travel (ft/mile)		1384.4	1502.9	1384.4	1502.9	1384.4	1502.9

* - Powerglide not available with Turbocharged 150 HP Engine
(a) Direct drive

VEHICLE PERFORMANCE FACTORS

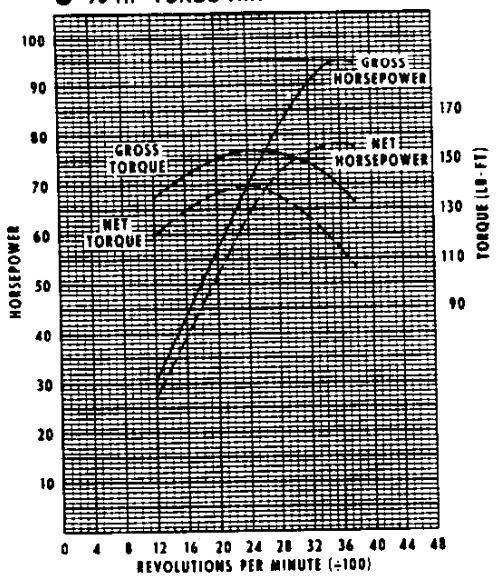
	MODELS		
	769	769	927
ENGINE - 164 Cu. In.	Standard 95 HP	Hi-Perf 110 HP (RPO L62)	Turbocharged 150 HP
3-Speed Transmission			
Performance Weight (pounds)	3095	3094	3163
Pounds per Gross Horsepower	32.58	28.13	21.09
Pounds per Cu. In. Displacement	18.87	18.87	19.29
Gross HP per Cu. In. Displacement	.579	.671	.915
Power Displacement (Cu. Ft./mile)	134.07	134.07	145.55
Displacement Factor (Cu. Ft./ton mile)	86.64	79.20	92.03
4-Speed Transmission			
Performance Weight (pounds)	3103	3102	3171
Pounds per Gross Horsepower	32.66	28.20	21.14
Pounds per Cu. In. Displacement	18.92	18.91	19.34
Gross HP per Cu. In. Displacement	.579	.671	.915
Power Displacement (Cu. Ft./mile)	134.07	134.07	145.55
Displacement Factor (Cu. Ft./ton mile)	86.41	86.44	92.03
Powerglide*			
Performance Weight (pounds)	3103	3102	
Pounds per Gross Horsepower	32.66	28.20	
Pounds per Cu. In. Displacement	18.92	18.91	
Gross HP per Cu. In. Displacement	.579	.671	
Power Displacement (Cu. Ft./mile)	134.07	145.55	
Displacement Factor (Cu. Ft./ton mile)	86.41	93.84	

* - Data computed assuming zero slippage in torque converter.

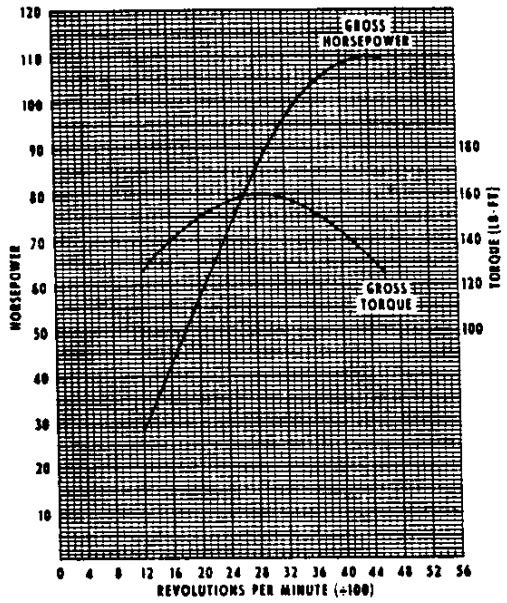
GLOSSARY

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

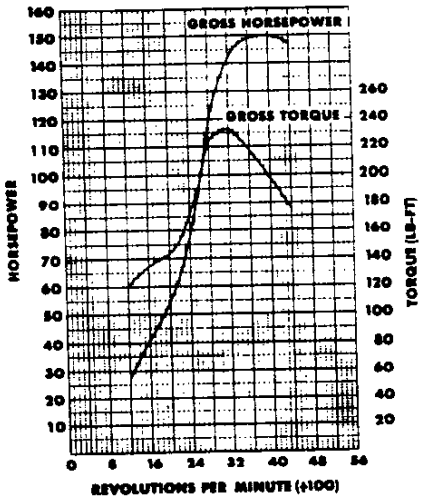
● 95 HP TURBO-AIR 6-CYLINDER



● 110 HP TURBO-AIR 6-CYLINDER



● 150 HP TURBOCHARGED



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.

PRINCIPAL COMPONENTS

CRANKCASE
- Material ---------- Cast Aluminum
- Type ---------- Cast into left and right halves
- No. of Bulkheads ---------- 4
- Bolt No. & Size ---------- 8; .4375 dia., 20 UNF - 2A
- Studs (cyl. & cyl. head assy.) --- 12 left & 12 right half
- Bore Spacing (centerline to centerline) ---------- 4.85

CYLINDERS
- Material ---------- Cast iron
- Type ---------- Individually cast with integral cooling fins
- Bore Diameter ---------- 3.4370-3.4400
- Numbering Arrangement (front to rear)
  - Left bank ---------- 6-4-2
  - Right bank ---------- 5-3-1

CYLINDER HEADS
- Material ----------Permanent mold cast aluminum with integral cooling fins

● *COMBUSTION CHAMBER VOLUME*
- Base Engine ---------- 3.836 cu.in.
- Hi-Perf. Engine ---------- 3.394 cu.in.
- Turbocharged Engine ---------- 3.919 cu.in.

INLET MANIFOLD
- Type ---------- Cast integral with cylinder head

EXHAUST MANIFOLD
- Material ---------- Cast alloy iron
- Type ---------- Straight-fitted to three steel sleeves pressed into cyl. head exhaust ports

CRANKSHAFT
- Material ---------- Forged alloy steel
- End Play ---------- .002-.006
- Counterweights ---------- None
- Crank Arm Length ---------- 1.97
- Vibration damper ---------- Harmonic balancer on all engine combinations except on regular engine with synchromesh transmission
- Timing Gear & Material ---------- Helical cut, steel
- Pulley Pitch Diameter ---------- 6.64

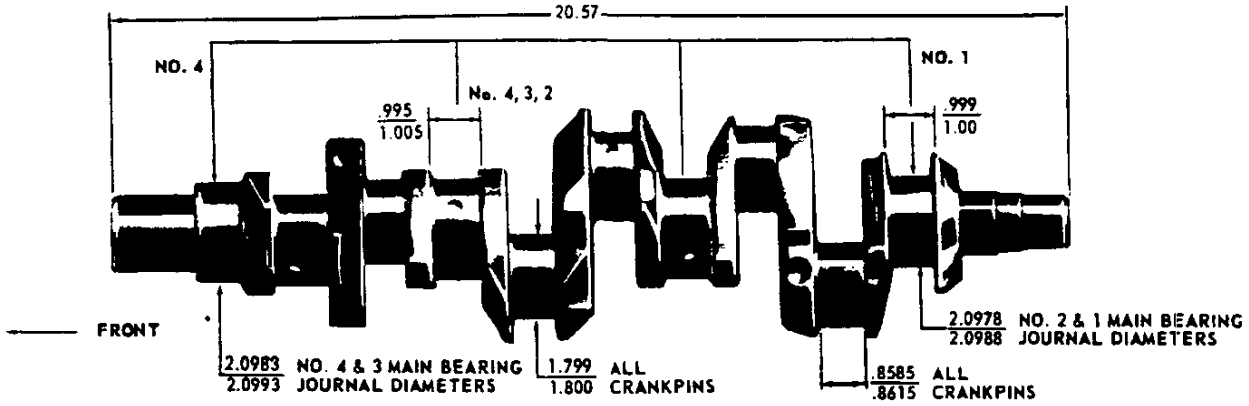
MAIN BEARINGS
- Material ---------- Premium aluminum
- Type ---------- Precision, removable
- Thrust Against Bearing No. ---------- 1
- Clearance ---------- .0012-.0037

Dimensions / Bearing	Theoretical Inner Dia.	Effective Length	Projected Area
1	2.1008	.785	1.6491
2	2.1008	.752	1.5798
3-4	2.1018	.752	1.5805

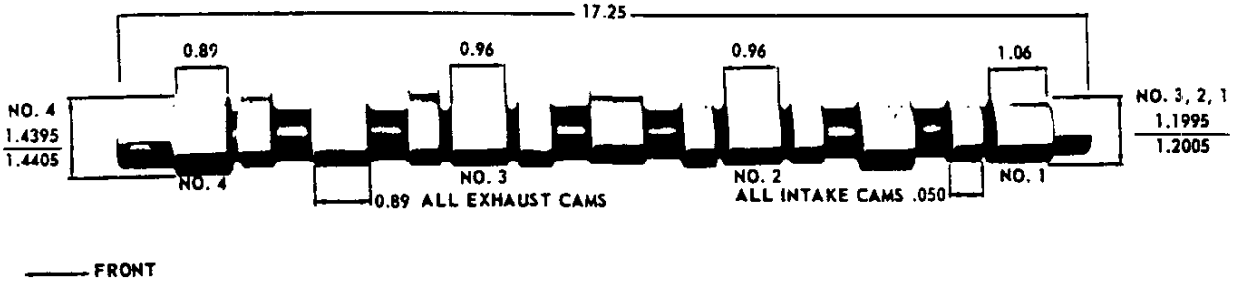
CAMSHAFT
- Material ---------- Cast alloy iron
- Lobe Lift
  - Inlet & Exhaust
    - Base Engine ---------- .2567
    - Hi-Performance & Turbocharged Engines --- .2605

BEARINGS ---------- No inserts aluminum crankcase machined for bearing surface

CRANKSHAFT AND BEARINGS



CAMSHAFT AND BEARINGS



PRINCIPAL COMPONENTS – Continued

VALVE TRAIN
- Type ---------- Individually mounted rocker arms, push rod actuated
- Lifters ---------- Hydraulic
- Push Rods
  - Type & Material ---------- Hollow, steel
  - Ends ---------- Hardened
  - Housing ---------- Welded steel tubes
- Rocker Arms
  - Type & Material ---------- Stamped steel
- ● Ratio ---------- 1.57:1; Hi-Perf & T/Chgd 1.5:1

VALVES (See Turbocharged information below)
- Inlet Material ---------- High alloy steel
  - Coating ---------- Aluminized valve face
- ● Exhaust Material ---------- ---------- High alloy steel with "cobalt-based alloy" face
- Valve Guides ---------- Cast alloy iron
- Valve Seat Insert Material
  - Inlet ---------- Cast nickel steel alloy
  - Exhaust ---------- Cast chromium steel alloy

VALVES - TURBOCHARGED (Same as above except)
- Exhaust Valves ---------- Two piece welded
- Material
  - Head, Face & Neck ------- Super alloy (Nimonic 80A)
  - Stems ---------- Silicon & chromium alloy steel
- Exhaust Valve Guides ---------- Heavy duty
  - Material ---------- Aluminum bronze alloy

VALVE SPRINGS
- Diameter (I.D.) ---------- .872-.888
- Installed Length (In. @ Lb.)
  - Valves Closed ---------- 1.660 @ 78-86
  - Valves Opened ---------- 1.260 @ 170-180
- Free Length ---------- 2.08
- ● Valve Spring Dampers ----------Flat steel coil

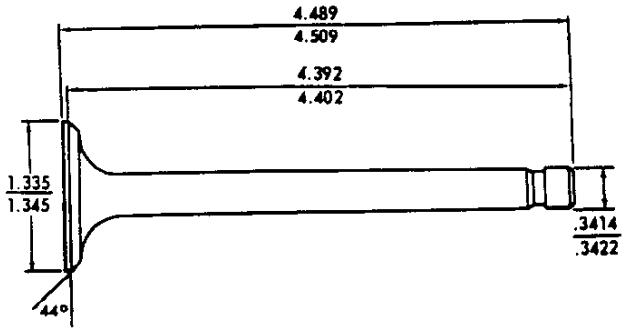
VALVE LIFT
- Inlet & Exhaust
- ● Base Engine ---------- .4030
- Hi-Performance of Turbocharged Engines ----- .3907

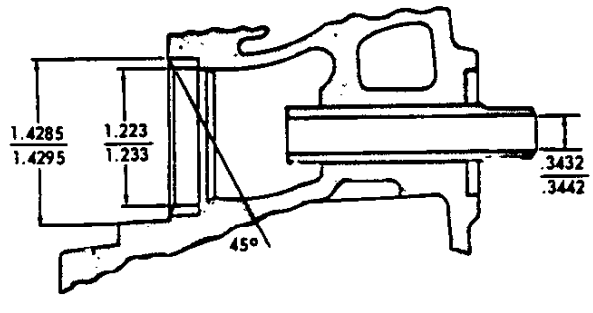
VALVE TRAIN LASH
- Inlet & Exhaust ---------- Zero

VALVE TIMING

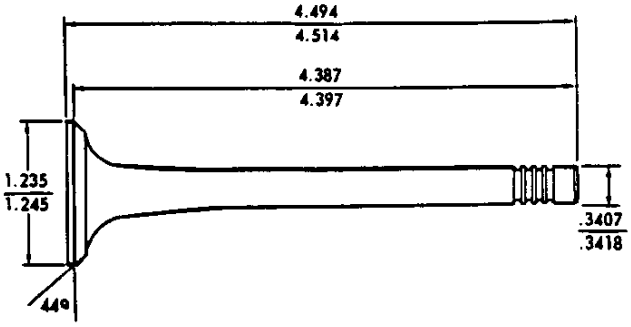
	Base Engine		Hi-Perf. & T/Chgd.	
	Excl. Ramps	Incl. Ramps	Excl. Ramps	Incl. Ramps
Inlet Valve				
Opens - BTC	26°	44°	37°	55°
Closes - ABC	60°	88°	81°	105°
Duration	266°	312°	298°	340°
Exhaust Valve				
Opens - BBC	60°	78°	79°	97°
Closes - ATC	26°	54°	39°	63°
Duration	266°	312°	298°	340°

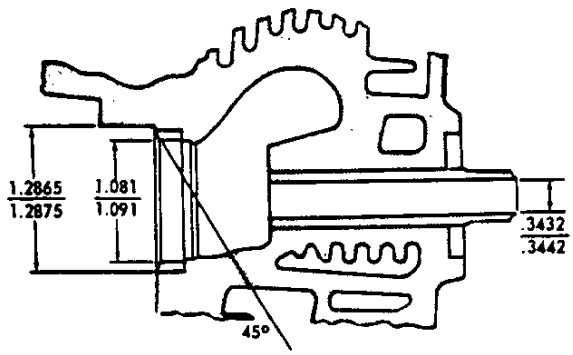
INLET VALVE





EXHAUST VALVE





PRINCIPAL COMPONENTS – Continued

PISTON
- Material ---------- Cast aluminum alloy
- Head Type ---------- Flat
- Skirt Type ---------- Slipper, autothermic
- Top Land Clearance ---------- .022-.031
- Skirt Clearance ---------- .0011-.0017
- Compression Ring Groove Depth ---------- .193-.199
- Oil Control Ring Groove Depth ---------- .186-.193
- Pin Bore Offset ---------- .055-.065
- Compression Height ---------- 1.589-1.591

COMPRESSION RINGS - UPPER and LOWER
- Material ---------- Cast alloy iron
- Inside Bevel ----- Lower (top edge) Upper (bottom edge) 30 degrees to piston vertical axis
- Ring Face ---------- Tapered
- Coating
  - Upper ---------- Chromium plate
  - Lower ---------- Wear resistant
- Width ---------- .0620-.0625
- Wall thickness ---------- .162-.172
- Gap ---------- .010-.020

OIL CONTROL RINGS
- Material ---------- Steel
- Type ---------- Multi-piece (2 rails and one spacer)
- Width ---------- .1215-.1255 assembled
- Wall Thickness ---------- .133-.139
- Gap (rails) ---------- .015-.055
- Rail Coating ---------- Chrome plated

PISTON PINS
- Material ---------- Alloy steel
- Length ---------- 2.630-2.650
- Diameter ---------- .7999-.8002
- Clearance in Piston ---------- .00015-.00025
- Pin Mounting ---------- Pressed in rod
- Direction of Offset ---------- Major thrust side

CONNECTING RODS
- Material ---------- Drop forged steel
- Length (center to center) ---------- 4.719-4.721

CONNECTING ROD BEARINGS
- Material ---------- Premium aluminum
- Type ---------- Precision removable
- Clearance ---------- .0007-.0028
- Theo I.D. ---------- 1.8018
- Effective Length ---------- .649
- End Play ---------- .005-.010

FUEL SYSTEM

FUEL TANK
- Capacity (Gal) ---------- 14
- Location ---------- Upper front compartment floor
- Filler Location ---------- Left front fender crown

FUEL FILTERS, DUAL
- In Fuel Tank ---------- Mesh strainer
- In Carburetor Inlet ---------- Sintered bronze filter
- Turbocharged ---------- Replaceable in-line paper element between fuel pump & carburetor

FUEL PUMP ASSEMBLY
- Drive ---------- Eccentric on rear end of crankshaft
- Type ---------- Mechanical
- Location ---------- Mounted on engine rear housing
- Pressure Range ---------- 5.50-6.75

AIR CLEANER
- Base & High Performance Engines
  - Type ---------- Single, paper type element, attached to center of tubular cross over duct
- Turbocharged Engine
  - Type ---------- Single, oil wetted polyurethane type element, connected to carburetor air horn

CARBURETOR-REGULAR
- Number ---------- Two; one for each cylinder bank
- Make ---------- Rochester
- Type ---------- Single barrel downdraft
- SAE Flange Size ---------- 0.75
- Throttle Bore ---------- 1.25
- Venturi Diameter ---------- 1.00

CARBURETOR - TURBOCHARGED ENGINE
- Number ---------- One
- Make ---------- Carter
- Type ---------- Triple venturi, sidedraft
- SAE Flange Size ---------- 1.25
- Throttle Bore ---------- 1.50
- Venturi Diameter ---------- 1.31

SUPERCHARGER

SUPER CHARGER
- Type ---------- Turbo-Supercharger (Turbine driven compressor)
- Make ---------- Thompson
- Turbine ---------- Single-stage, in flow type
  - Material -------- High temperature cobalt base alloy
  - Diameter (in) ---------- 2.97
  - Blades ---------- 11, equally spaced
  - Drive ---------- Engine exhaust gases
- Compressor ---------- Centrifugal impeller
  - Material ---------- Die cast aluminum alloy
  - Diameter (in) ---------- 3.00
  - Blades ---------- 14, equally spaced
  - Drive ---------- Solid shaft from turbine
- Bearing ---------- One piece floating bushing
  - Material ---------- Aluminum alloy
  - Lubrication ---------- Engine oil full pressure

INDUCTION CROSSOVER TUBE
- *Function* ---------- *Fuel-air mixture drawn* from the single barrel carburetor by the supercharger and expelled into the induction crossover tube which supplies each cylinder bank

EXHAUST and VENTILATION – REGULAR

GENERAL
- Type ---------- Single

MUFFLER
- Type ---------- Oval, reverse flow
- Construction ---------- Heads and body joined by rolled lock seam construction
- Shell ---------- .036 cold rolled steel
- Wrap ---------- .030 indented asbestos sheet
- Cover ---------- .018 sheet steel, aluminum coating
- Heads ---------- .060 sheet steel, aluminum coating
- ● Baffles ---------- 3; 1 & 2 .036 cold roll steel, 3rd - Regular .060, Hi-Perf .036 cold rolled steel
- *Length, Body* ---------- 17.76
- Height (I.D.) ---------- 9.25
- Width (I.D.) ---------- 5.00

EXHAUST PIPE
- Dimensions (O.D.) ------- Branches 1.375; Main 1.875
- Wall Thickness ---------- .067-.081

TAIL PIPE
- ● Dimensions (O.D.) ---------- 1.50; Hi-Perf 1.75
- Wall Thickness ---------- .0480
- Coating ---------- Aluminum

ENGINE VENTILATION (Same for Turbocharged)
- ● Type ---------- Closed-Positive; fumes withdrawn into induction system

EXHAUST and VENTILATION – TURBOCHARGED

EXHAUST PIPE
- Dimensions (O.D.) ------- Branches 1.375; Main 1.875
- Wall Thickness ---------- .081-.097

SUPERCHARGER INLET PIPE
- Dimensions (O.D.) ---------- 1.875
- Wall Thickness ---------- .081-.097

SUPERCHARGER OUTLET PIPE
- Dimensions (O.D.) ---------- 2.50
- Wall Thickness ---------- .067-.081

MANIFOLD HEAT SHIELD FOR SPARE WHEEL
- Location ---------- Bracketed to supercharger outlet pipe and supercharger assembly
- Material ---------- .026 Stainless steel

MUFFLER
- Type ---------- Oval, reverse flow
- Construction ---------- Heads and body joined by rolled lock seam construction
- Shell ---------- .036 sheet steel, aluminum coating
- Wrap ---------- .030 indented asbestos sheet
- Cover ---------- .018 sheet steel, aluminum coating
- Heads ---------- .048 sheet steel, aluminum coating
- *Baffles* ---------- 3; .036 sheet steel, aluminum coating
- Length, including pipe extensions ---------- 17.88
- Width (I.D.) ---------- 5.00
- Height (I.D.) ---------- 9.25

TAIL PIPE
- Dimensions (O.D.) ---------- 2.50
- Wall Thickness ---------- .042-.052
- Coating ---------- Chrome plate

LUBRICATION SYSTEM

GENERAL
- Type ---------- Controlled full pressure
  - Main Bearings ---------- Pressure
  - Connecting Rods ---------- Pressure
  - Piston Pins ---------- Splash
  - Cylinder Walls -------- Conn. rod bearing throw-off
  - Camshaft Bearings ---------- Pressure
  - Valve Lifters ---------- Pressure
  - Rocker Arms ---------- Pressure
  - Timing Gears -------- Main & cam bearing throw-off
- Oil Pressure Sending Unit
  - Type ---------- Electric
  - Actuation ------ Opens or closes circuit @ 2 to 6 PSI
- Oil Filler
  - Cap ---------- Pressure, twist type
  - Location ---------- Top rear of engine

CRANKCASE CAPACITY (Qt)
- Refill ---------- 4.0
- Refill with Filter Change ---------- 4.5

OIL PUMP
- Type ---------- Gear
- Driven By ---------- Distributor
- Regulator Valve ---------- Opens between 40-45 lbs
- Oil Pressure @ 2000 RPM ---------- 30 PSI
- Intake Type ---------- Fixed
- Capacity (GPM @ Eng RPM) ---------- 9 @ 4000

OIL FILTER
- Make ---------- AC
- Type ---------- Full flow throwaway cannister
- Location ---------- Rear section of engine
- Capacity (Pts) ---------- 1.0
- By-Pass Valve ---------- Opens between 9 to 11 PSI

OIL COOLER
- Make ---------- Harrison
- Material ---------- Aluminum
- Location ---------- Left bank of cylinder to rear
- By-Pass Valve ---------- Opens between 9 to 11 PSI drop in pressure
- No. of Plates ---------- 8; Turbocharged 12

LUBRICANT GRADES AND TEMPERATURES
- 32°F & Above ---------- SAE-30*
- 10°F to 32°F ---------- SAE-10W
- Below 10°F ---------- SAE-5W-20

* Always use SAE 30 if temperature is above 60°F

OIL PAN DRAIN SCREW
- Type ---------- Hex head
- Location ---------- Lower front edge of oil pan
- Size Hex Head ---------- .860-.875
- Thread ---------- 1/2-20 UNF 2A
- Length ---------- 0.81
- Diameter ---------- .410-.430

COOLING SYSTEM

GENERAL
- Type ---------- Forced air cooling
  Engine enclosed by sheet metal shrouds to direct air over engine components. Cooling controlled by thermostatically regulated air exhaust doors at rear of each lower shroud

ENGINE BLOWER
- Type ---------- Centrifugal
- Location ---------- Mounted horizontally on top center of engine
- Material ---------- Magnesium
- Diameter ---------- 11.20
- Number of Vanes ---------- 11
- Drive ---------- By "V" belt from crankshaft over idler and generator pulleys
- Air flow ---------- 1460 CFM @ 4000 Engine RPM
- Blower Pulley PD ---------- 4.1875
- Ratio (Blower to Engine Speed) ---------- 1.58:1
- Idler Pulley PD ---------- 3.32
- Belt ---------- "V"
  - Pitch Line ---------- 56
  - Width ---------- .380
  - Angle of "V" ---------- 40°

ENGINE COOLING AIR THERMOSTATS
- Type ---------- Bellows (seamless)
- Make ---------- Harrison
- Bellows start to open at ---------- 205°F

ELECTRICAL SYSTEM

SUPPLY SYSTEM

BATTERY

Make ---------- Delco-Remy
Voltage Rating ---------- 12
Capacity ---------- 42 amp hr @ 20 hr rate
Total Number of Plates ---------- 54
Number of Cells ---------- 6
Terminal Grounded ---------- Negative
Location -------- Left hand side engine compartment

GENERATOR

Make ---------- Delco-Remy
Type ---------- Two brush, shunt wound
Rating
Amps ---------- 35
Volts ---------- 14.5
Drive ---------- Blower belt
Pulley Pitch Diameter ---------- 2.88
Ratio (Gen. to Engine Speed) ---------- 2.30:1

REGULATOR

Make ---------- Delco-Remy
Type ---------- Vibrator
Cutout Relay
Closing Voltage @ Gen RPM ----- 11.8-13.5 @ 1300
Voltage Regulator
Voltage ---------- 14.5
Current Regulator
Amperes ---------- 30
Location ---------- Left front engine compartment on rear inner panel

STARTING SYSTEM

STARTING MOTOR

Make ---------- Delco-Remy
Rotation (drive end view) ---------- Clockwise
Test Condition ----- Engine at operating temperature
No Load Test
Amps ---------- 69
Volts ---------- 10.6
RPM ---------- 7675
Motor Drive
Engagement ---------- Solenoid
Pinion meshes at ---------- Rear
Pinion tooth no. ---------- 9
Starter ring gear tooth no. ---------- 147
Mounting ---------- Bolted to clutch housing

IGNITION SYSTEM

DISTRIBUTORS ---------- Refer to chart below

COIL

Make ---------- Delco-Remy
Type ---------- 12 Volt
Amperes Drawn
Engine stopped ---------- 4.0
Engine idling ---------- 1.8

SPARK PLUGS

Make ---------- AC
Model ---------- 46FF (44FF on 110 & 150 HP)
Thread Size (mm) ---------- 14
Gap ---------- .033-.038; .028-.033 on 110 & 150 HP
Torque ---------- 25 lb ft

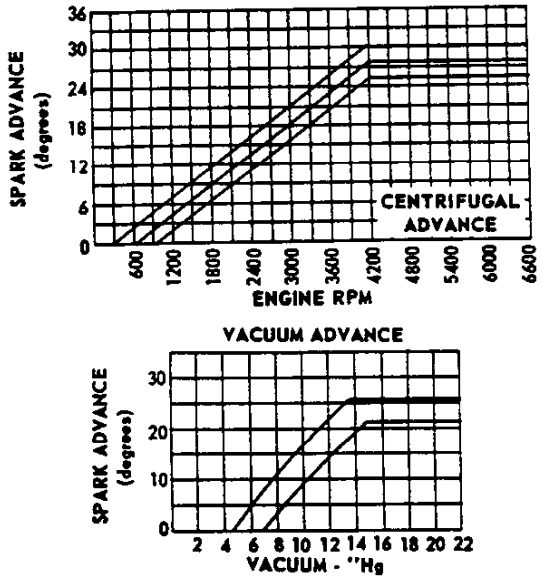
CABLE ---------- Linen core impregnated with electrical conducting material and insulation of rubber with neoprene jacket

DISTRIBUTORS	95 HP synchro-mesh	95 HP with pwr/gld	110 HP with pwr/gld	110 HP synchro-mesh	150 HP synchro-mesh
Make	Delco-Remy				
Type	Single-Breaker				
Cam Angle	31-34				
Breaker Gap	.019 (new)				
Breaker Arm Tension	19-23 oz				
Centrifugal Advance Begins (RPM)	700	1700	800		3900
Max Degrees @ RPM	28 @ 4200	20 @ 4200	20 @ 4800		12 @ 5000
Vacuum Advance Begins (In Hg)	6.00	7.00	7.00		*
● Max Degrees @ In Hg	24 @ 14	24 @ 15	24 @ 15		*
●Timing (Initial Design Setting)	6° BTC	14° BTC	14° BTC		24° BTC
Crankshaft Degrees @ RPM (with vacuum spark line disconnected)	@ 500	@ 500	@ 600		@ 850
Timing Mark Location	Crankshaft Pulley				

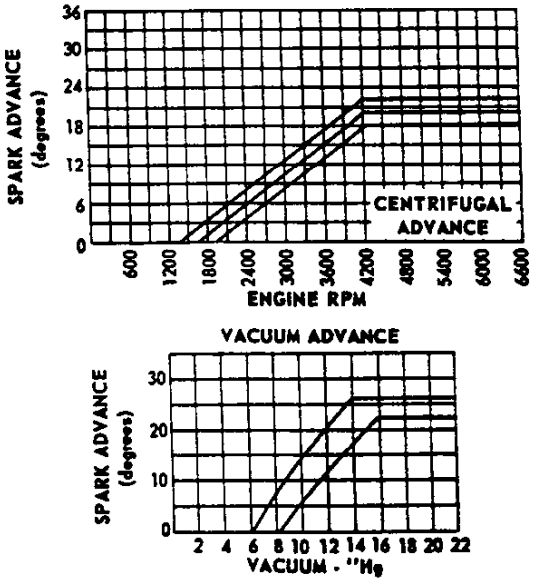
* - Diaphragm Pressure Retard:-Begins @ Mnfld. Pressure-0 @ 2-1/2 psi Max. Mnfld. Pressure-8" @ 4-1/2 psi

ELECTRICAL SYSTEM - Continued

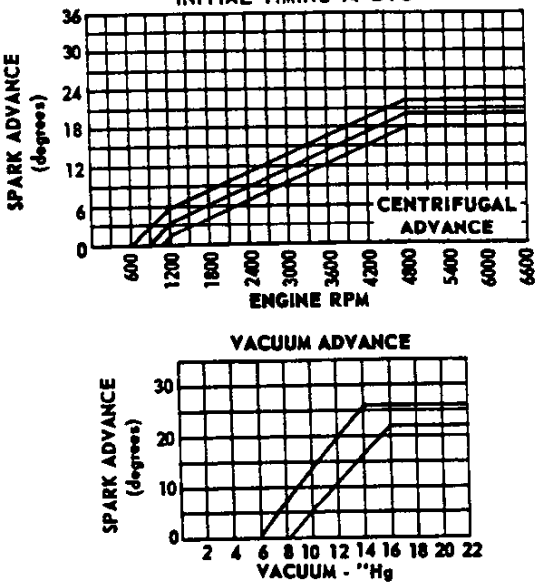
● 95 HP TURBO-AIR P-6
INITIAL TIMING 6°BTC



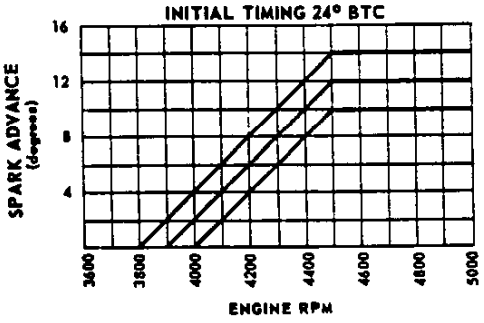
● 95 HP TURBO-AIR P-6 P/GLIDE
INITIAL TIMING 14°BTC



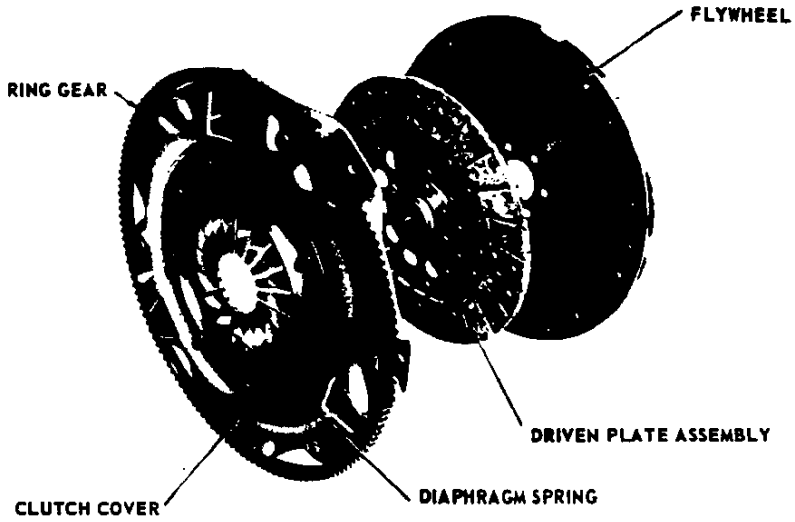
● 110 HP TURBO-AIR P-6 (RPO L62)
INITIAL TIMING 14°BTC



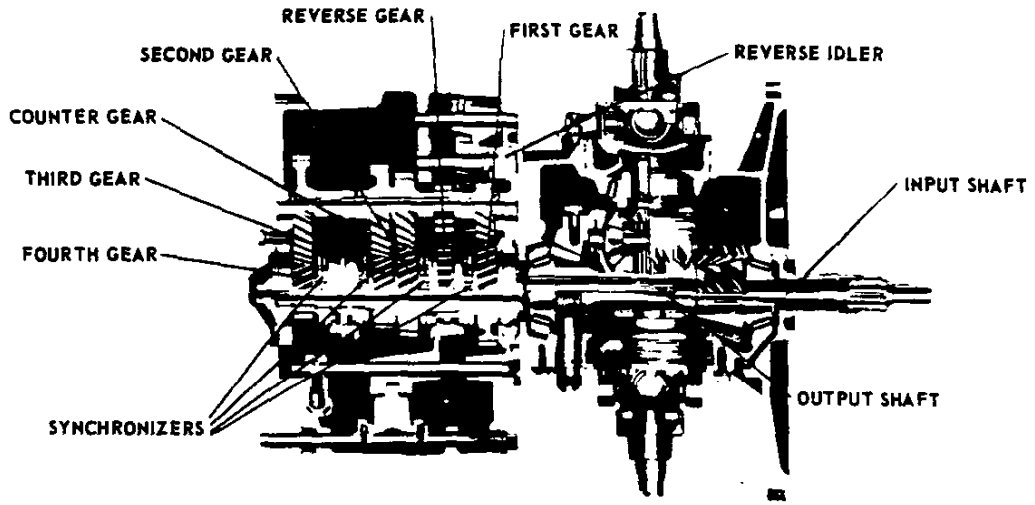
● 150 HP TURBOCHARGED P-6
CENTRIFUGAL ADVANCE
INITIAL TIMING 24° BTC



CLUTCHES

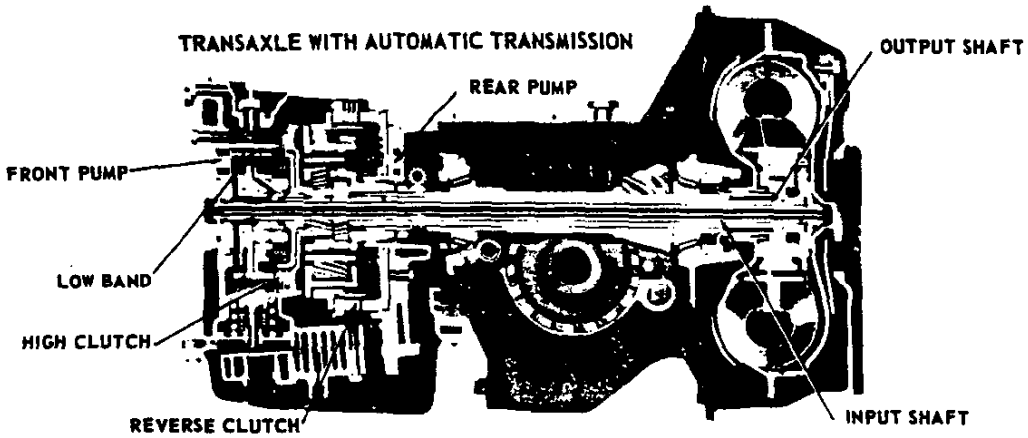


ENGINE	Name		Turbo-Air 164		Turbocharged 164
	Horsepower		95	110	150
	Displacement, inches^3		164		
TRANSMISSION			3-Speed 4-Speed		
CLUTCH ASSEMBLY					
Type			Single dry disc, centrifugal		
Clutch cover and pressure plate assembly	Effective plate load, lb		1250-1450		1275-1475
	Type of drive		Steel straps		
	Pressure plate	Material	Cast iron		Nodular or perlitic malleable iron
		OD	9.28		
	Clutch spring	Type	Diaphragm, bent finger design		
		Material	HR spring steel		
	Ring gear	Material	HR steel		
		No. of teeth	147		
		Face width	.363-.387		
		PD	12.25		
		Attachment	Welded to clutch cover		
	Attachment to fly/w		6 bolts, 5/16-18, .82 long; bolt circle dia 10.625		
Drive plate assembly	Type		Single disc with two friction surfaces		
	Cushions		Flat spring steel between rings		
	Friction ring	Material	Woven asbestos		
		OD	8.00		9.12
		ID	6.00		6.12
		Total area (sq. inches)	44.00		71.8
		Width (ea.)	.135		
Flywheel	Material		Cast iron		
	OD		11.6		
Bearings	Release	Type	Single row ball		
		Lubrication	Packed with temperature high viscosity grease		
	Pilot	Type	Sintered powdered bronze bushing		
		Lubrication	Oil impregnated		
Controls	Clutch fork		Drop forged steel, pivot mounted on ball		
	Pedal mounting		Pendent, from brace on dash		
Clutch housing	Material		Aluminum alloy		
	Attachment to engine		9 bolts, 3/8-16 UNC 2A: 7 short, 1-3/8 shank; 2 long, 1-5/8 shank		



TRANSAXLE WITH 4-SPEED TRANSMISSION

ENGINE	Name	Turbo-Air 164		Turbocharged 164	Turbo-Air 164		Turbocharged 164
	Horsepower	95	110	150	95	110	150
	Displ., inches³	164					
TRANSMISSION TYPE		3-SPEED			4-SPEED		
Case material		Cast iron alloy					
Gear-shift	Control	Remote					
	Type	Lever					
	Location	Floor mounted					
Gears	Type	Helical			Helical except spur for reverse		
	Material	Forged steel, hardened					
	Synchronization	2nd and 3rd			All forward gears		
	Constant mesh gears	2nd and 3rd			All forward gears		
	Sliding gears	1st and reverse			Reverse		
	Ratio First	3.22			3.20		
	Ratio Second	1.84			2.19		
	Ratio Third	1.00			1.44		
	Ratio Fourth	--			1.00		
	Ratio Reverse	3.22			3.66		
Lubricant	Type; Viscosity	Meeting military specification MIL-L-2105-B; SAE 80					
	Capacity (pts.)	2.2			3.6		



AUTOMATIC TRANSMISSION – RPO 3-M35

GENERAL DATA
- Type ---------- Automatic hydraulic torque converter with planetary gear system for low and reverse
- Selector lever
  - Location ---------- Instrument panel
  - Operation ---------- Actuates manual valve in hydraulic control system
  - Quadrant positions ---------- L-D-N-R
- Method of cooling ---------- Cooling shroud welded to pump housing
- Flywheel ---------- Ring gear welded to converter housing

HYDRAULIC CONTROLS
- Manual valve type ---------- Spool
- Pressure regulator valve type ---------- Spool
- ● Pressure range, psi @ idle
  - Drive
    - Minimum and maximum ---------- 37.0 to 45.0
  - Low
    - Minimum and maximum ---------- 37.0 to 45.0
  - Reverse
    - Minimum and maximum ---------- 70.3 to 86.0

CONVERTER ASSEMBLY
- Type ---------- Three element
- Pump
  - Description ---------- Multi-vane sheet steel construction rigid in converter housing
- Turbine
  - Description ---------- Multi-vane sheet steel construction supported in converter housing
- Stator
  - Description ---------- Aluminum air foil supported on stationary sleeve by an overrunning clutch
- Stall torque ratio ---------- 2.60:1
- Diameter (nominal) ---------- 10.0

PLANETARY GEAR SET
- Type ---------- Compound planetary
- Range
  - Drive ---------- 1.82:1 to 1.0:1.0
  - Low ---------- 1.82:1
  - Reverse ---------- 1.82:1
- Low band ---------- Three linked circular segments
- Low band servo ---------- Piston with release spring and inner cushion spring

CASE
- Material ---------- Aluminum

● OUTPUT SHAFT RPM (VEHICLE SPEED MPH)
- N/V factor ---------- 45.8
  - Upshift
    - Closed throttle ---------- 677(15)
    - Detent touch ---------- 1809(40)
    - Full detent ---------- 2230(49)
  - Downshift
    - Closed throttle ---------- 606(13)
    - Detent touch ---------- 1298(28)
    - Full detent ---------- 2055(45)

HIGH CLUTCH
- Type ---------- Multi-disc
- Drive plates
  - Description ---------- Waved steel with bonded organic facings
  - Number ---------- 2
- Driven plates
  - Description ---------- Flat steel
  - Number ---------- 3

REVERSE CLUTCH
- Type ---------- Multi-disc
- Drive plates
  - Description ---------- Flat steel with bonded organic facings
  - Number ---------- 3
- Driven plates
  - Description ---------- Waved steel
  - Number ---------- 3

TORQUE MULTIPLICATION
- Maximum overall ratio ---------- 4.73:1
- Low and reverse ---------- 4.73:1 to 1.82:1

LUBRICANT
- Type ---------- A, suffix A
- Capacity (pts.)
  - Dry ---------- 13
  - Refill ---------- 6

GOVERNOR
- Type ---------- Centrifugal
- Operation ---------- Regulates oil pressure to automatic shift control valve
- Drive ---------- Transmission output shaft
- Location ---------- External, upper left side of case

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

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 Corporation	CAR NAME CORVAIR 164 Cu. In. 6-Cyl.	
MAILING ADDRESS Chevrolet Engineering Center Box 7346, North End Station, Detroit 2	MODEL YEAR 1964	ISSUED: 9-23-63 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.

TABLE OF CONTENTS

BODY—TYPES AND STYLE NAMES— Body type, number of passenger & style names are manufacturer's code for series & body style.

500 Series
- 527 2-Door Club Coupe, 5-Passenger

600 Series - Monza Spyder
- 627 2-Door Club Coupe, 4-Passenger
- 667 2-Door Convertible, 4-Passenger

700 Series
- 769 4-Door Sedan, 6-Passenger

900 Series - Monza
- 927 2-Door Club Coupe, 4-Passenger
- 967 2-Door Convertible, 4-Passenger
- 969 4-Door Sedan, 5-Passenger

AMA Specifications — Passenger Car

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

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.s	5-7-900 Std. Engine	5-7-900 Hi-Perf. Eng.	627-667 Turb/Chgd. Engine
Wheelbase (L101)		23	108.0		
Tread	Front (W101)	22	54.4		
	Rear (W102)	22	55.1		
Maximum Overall Dimensions	Length (L103)	23	180.0		
	Width (W103)	22	67.0		
	Height (H101)	24	Sedans 51.5	Coupes 51.4	Convertible 56.1
Transmission—(Specify trade name - opt., not available)	Manual	15	Synchromesh - 3-Speed Standard, 4-Speed Optional		
	Overdrive	16	Not Offered		
	Automatic	16	Powerglide - Optional Except Turbocharged Engine		
Axle ratio	Manual	17	All except 600 Models: 3-Speed and 4-Speed, 3.27:1; Model 600: 3-Speed and 4-Speed, 3.55:1		
	Overdrive	17	- -		
	Automatic	17	With Reg. Production Engine, 3.27:1; With Hi-Performance Engine, 3.55:1		
Tire size		18	6.50 x 13		
Engine	Type, no. cyl., valve arr.	2	Horizontal opposed, 6 Cyl, OHV Air cooled		
	Fuel system (Carb., other)	8	Carburetor		
	Bore and stroke	2	3.4375 x 2.94		
	Piston displ., cu.in.	2	164		
	Std. compression ratio	2	8.25:1	9.25:1	8.25:1
	Max. bhp at engine rpm	2	95 @ 3600	110 @ 4400	150 @ 4000
	Max. torque at rpm	2	154 @ 2400	160 @ 2800	232 @ 3200

AMA Specifications—Passenger Car

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

MODEL	5-7-900 Std. Engine	5-7-900 Hi-Perf. Engine	627-667 Tubro/Chgd. Engine

ENGINE—GENERAL

Type, no. cyls., valve arr.		Horizontal opposed, 6-cylinder OHV		
Bore and stroke (nominal)		3.4375 x 2.94		
Piston displacement, cu. in.		164		
Bore spacing (C/L to C/L)		4.85		
No. system (front to rear)	L. Bank	6-4-2		
	R. Bank	5-3-1		
Firing order		1-4-5-2-3-6		
Compres. ratio (nominal)		8.25:1	9.25:1	8.25:1
Cylinder Head Material		Cast Aluminum		
Cylinder Block Material		Cast Aluminum		
Cylinder Sleeve-Wet, dry, none		None		
Number of mounting points	Front	Two		
	Rear	One		
Engine installation angle		2° 33'		
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		28.4		
Published max. bhp* @ eng. RPM		95 @ 3600	110 @ 4400	150 @ 4000
Published max. torque* (lb. ft. @ RPM)		154 @ 2400	160 @ 2800	232 @ 3200
Recommended fuel regular - premium		Regular	Premium	
Idle speed (spec. neutral or drive)	Manual	500 in Neutral	600 in Neutral	850 in Neutral
	Automatic		500 in Drive	

ENGINE—PISTONS

Material			Cast Aluminum Alloy	
Description and finish			Flat head - Slipper skirt	
Weight (piston only) oz.			15.60	
Clearance (limits)	Top land		.022 - .031	
	Skirt	Top	.0011 - .0017 (a)	
		Bottom		
Ring groove depth	No. 1 ring		.1930 - .1990	
	No. 2 ring		.1930 - .1990	
	No. 3 ring		.1860 - .1925	
	No. 4 ring			

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

(a) - Measured 2.01 from top of piston.

AMA Specifications – Passenger Car

MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (e) 12

POWER TEAMS
(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO # (Std. first)		
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		A	B	C
500-700-900	164	Two 1 Bbl. Down-draft	8.25:1	95 @ 3600	154 @ 2400	3 Speed 4 Speed * Powerglide *	3.27:1	3.55:1	--
500-700-900 Hi-Perf. Engine	164	Two 1 Bbl. Down-draft	9.25:1	110 @ 4400	160 @ 2800	3 Speed 4 Speed * Powerglide *	3.27:1 3.55:1	3.55:1	--
627 & 667 Turbo/Chgd.	164	1 Bbl. Side-draft	8.25:1	150 @ 4000	232 @ 3200	3 Speed 4 Speed *	---	---	3.5 (St

* - Optional
A - General Purpose (Standard)
B - Special Purpose or Mountain (Optional)
C - High Performance (Optional)
\# - Positraction axle ratio available in combinations as shown.

AMA Specifications – Passenger Car

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

MODEL	5-7-900 Std. Engine	5-7-900 Hi-Perf. Engine	627-667 Turbo/Chgd. Eng.

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.	Cast Alloy Iron - inside bevel or counter bore Upper Ring - Chrome plated Lower Ring - Wear resistant coating
	Width	.0620 - .0625
	Gap	.010 - .020
Oil	Description – material, type, coating, etc.	Multi-piece (2 rails and one spacer expander) Rails - Chrome plated O.D. Spacer expander - Steel
	Width	.1215 - .1255 (assembled)
	Gap	.015 - .055
Expanders		In oil ring assembly

ENGINE—PISTON PINS

Material			Alloy Steel
Length			2.630 - 2.650
Diameter			.7999 - .8002
Type	Locked in rod, in piston, floating, etc.		Locked in rod
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston		.00015 - .00025
	In rod		---
Direction & amount offset in piston			Major thrust side .055 - .065

ENGINE—CONNECTING RODS

Material		Drop Forged Steel
Weight (oz.)		
Length (center to center)		4.719 - 4.721
Bearing	Material & Type	Premium Aluminum
	Overall length	.649
	Clearance (limits)	.0007 - .0028
	End play	.005 - .010

AMA Specifications—Passenger Car

MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (e)12-3-6

MODEL	5-7-900 Std. Engine	5-7-900 Hi-Perf. Engine	627 - 667 Turbo/Chgd. Engine

ENGINE—CRANKSHAFT

Material			Forged Alloy Steel	
Vibration damper type			None	Rubber mounted inertia *
			* Also used on all Powerglide Combinations	
End thrust taken by bearing (No.)			#1 (at rear of engine)	
Crankshaft end play			.002 - .006	
Main bearing	Material & type		Premium Aluminum	
	Clearance		.0012 - .0037	
	Journal dia. and bearing overall length	No. 1	2.1008 x .785	
		No. 2	2.1008 x .752	
		No. 3	2.1018 x .752	
		No. 4	2.1018 x .752	
		No. 5	None	
		No. 6	None	
		No. 7	None	
	Dir. & amt. cyl. offset		None	
Crankpin journal diameter			1.799 - 1.800	

ENGINE—CAMSHAFT

Location			Directly below crankshaft
Material			Cast Alloy Iron
Bearings	Material		No inserts, aluminum crankcase
	Number		machined for bearing surface
Type of Drive	Gear or chain		Gear
	Crankshaft gear or sprocket material		Steel
	Camshaft gear or sprocket material		Cast Aluminum
	Timing chain	No. of links	None
		Width	
		Pitch	

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)			Standard
Valve rotator, type (intake, exhaust)			None
Rocker ratio		● 1.57:1	1.50:1
Operating tappet clearance (Indicate hot or cold)	Intake		Zero
	Exhaust		Zero
Timing marks on flywheel, damper, other			Crankshaft Pulley

(Continued)

AMA Specifications–Passenger Car

MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (•) 12-3-

MODEL	5-7-900 Std. Engine	5-7-900 Hi-Perf. Engine	627-667 Turbo/Chgd. Engine

ENGINE—VALVE SYSTEM (cont.)

Timing *	Intake	Opens (°BTC)	44°	55°
		Closes (°ABC)	88°	105°
		Duration - deg.	312°	340°
	Exhaust	Opens (°BBC)	78°	97°
		Closes (°ATC)	54°	63°
		Duration - deg.	312°	340°
	Valve opening overlap		98°	118°
Intake	Material		High Alloy Steel-Aluminized face	
	Overall length		4.4891 - 4.5091	
	Actual overall head dia.		1.335 - 1.345	
	Angle of seat & face		45° (seat) 44° (face)	
	Seat insert material		Cast nickel steel alloy	
	Stem diameter		.3414 - .3422	
	Stem to guide clearance		.0010 - .0028	
	Lift (@ zero lash) ●		.4030 (theoretical)	.3907 (theoretical)
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.660	
		Valve open (lb. @ in.)	170-180 @ 1.260	
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring Damper	
		Valve open (lb. @ in.)	Spring Damper	
Exhaust	Material		(b)	(a)
	Overall length		4.4941 - 4.5141	
	Actual overall head dia.		1.235 - 1.245	
	Angle of seat & face		45° (seat) 44° (face)	
	Seat insert material		Cast chromium steel alloy	
	Stem diameter		.3407 - .3418	
	Stem to guide clearance		.0014 - .0035	
	Lift (@ zero lash) ●		.4030 (theoretical)	.3907 (theoretical)
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.660	
		Valve open (lb. @ in.)	170-180 @ 1.260	
	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	Main & Cam frt. brg. throw off
	Cylinder walls	Conn. rod brg. throw off

* - Including Ramps

(Continued)

(a) - Head & Neck - Super alloy (nimonic 80A)
Stem - Silicon & chromium alloy steel

AMA Specifications – Passenger Car

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

MODEL	5-7-900 Standard Engine	5-7-900 Hi-Perf. Engine	627-667 Turbo/Chgd. Engine

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	30 @ 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)	Complete
Capacity of crankcase, less filter-refill (qt.)	4.0
Oil grade recommended (SAE viscosity and temperature range)	32° F and Above ..... SAE 30 10° F to 32° F ..... SAE 10W Below 10° F ..... SAE 5W-20 Note: Always use SAE 30 if daytime Temp. is above 60°F
Engine Service Requirement (MM, MS, etc.)	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single with crossover	
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow, diffusion and resonance	
Exhaust pipe dia. (O.D. & wall thickness)	Branch	1.375 x .067-.081	1.375 x .081-.097
	Main	1.875 x .067-.081	1.875 x .081-.097
Tail pipe diameter (O.D. & wall thickness)		1.75 x .0480	2.50 x .042-.052

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)		Standard	Ventilates to induction system
		Optional	--
Control unit	Make and model		
	Location		Tubing and hosing from underside of air cleaner to rear of engine shrouding.
	Energy source (manifold vacuum, carburetor air stream, other)		Manifold vacuum and/or carburetor air stream
	Control method (variable orifice, fixed orifice, other)		Variable Orifice
Complete system	Discharges (to intake manifold, carb. air intake, air cleaner intake, other		Carburetor air and compressor inlet
	Air inlet (breather cap, carburetor air cleaner, other)		Carburetor Air Cleaner
	Flame arrestor (screen, check valve, other)		Fixed Orifice

AMA Specifications– Passenger Car

MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (•) 12-3-63

MODEL	5-7-900	5-7-900	627-667
	Std. Engine	Hi-Perf. Eng.	Turb./Chgd Engine

ENGINE—FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.			Carburetor	Supercharger (A)
Fuel Tank	Capacity (gals.)		14	
	Filler location		Left front fender crown	
Fuel Pump	Type (elec. or mech.)		Mechanical	
	Location		Mounted on engine rear housing	
	Pressure range		5.50 — 6.75 PSI	
Vacuum booster (std., optional, none)			None	
Fuel Filter	Type		Fine mesh plastic strainer in gas tank	
	Location		Sintered bronze in carburetor inlet	(B)
Carburetor	Choke type		Automatic	
	Intake manifold heat control (exhaust or water)		Carburetors, manifold and intake air warmed by recirculating eng. cooling air	(A)
	Air clnr. type	Standard	One, Paper element	Polyurethane
		Optional	One, Oil bath polyurethane element	

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors Make	Carburetors Model	No. Used and Type	Barrel Size
500-700-900 (Std. Engine)	164	3 Spd & 4 Spd	Rochester	7024023	2*	1.25
		Powerglide	Rochester	7024023	2*	
500-700-900 (Hi-Perf. Engine)	164	3 Spd, 4 Spd	Rochester	7024024	2*	1.25
		Powerglide	Rochester	7024022		
627-667 Turbo/Chg Engine	164	3 Spd & 4 Spd.	Carter	3844233	1#	1.50

* - One for each cylinder bank; Single barrel downdraft
\# - Single barrel (triple venturi) sidedraft
(A)- See supplement to page 8 for detail
(B)- Throw-away in line (paper element) located between fuel pump and carburetor

AMA Specifications – Passenger Car Supplement to Page 8

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

SUPPLEMENTARY INFORMATION

MODEL Corvair Monza Spyder 627-667

Super Charger

Type ---------- Turbo-Supercharger (Turbine Driven Compressor)

Make ---------- Thompson

Turbine ---------- Single Stage, In-Flow Type
- Material -------- High Temperature Cobalt Base Alloy
- Diameter (in) ---------- 2.97
- Blades ---------- 11, Equally Spaced
- Drive ---------- Engine Exhaust Gases

Compressor ---------- Centrifugal Impeller
- Material ---------- Die Cast Aluminum Alloy
- Diameter (in.) ---------- 3.00
- Blades ---------- 14, Equally Spaced
- Drive ---------- Solid Shaft from Turbine

Bearing ---------- One Piece Floating Bushing
- Material ---------- Aluminum Alloy
- Lubrication ---------- Engine Oil, Full Pressure

AMA Specifications – Passenger Car

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

MODEL

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		
Radiator cap relief valve pressure		
Circulation thermostat	Type (choke, bypass)	
	Starts to open at (°F)	Refer to supplement page 9
Water pump	Type (centrifugal, other)	
	GPM @ 1000 pump rpm	for type of cooling.
	Number of pumps	
	Drive (V-belt, other)	
	Bearing type	
By-pass recirculation type (internal, external)		
Radiator core type (cellular, tube and fin, other)		
Cooling system capacity	With heater (qt.)	
	Without heater (qt.)	
	Opt. equipment–specify (qt.)	
Water jackets full length of cylinder (yes, no)		
Water all around cylinder (yes, no)		
Radiator hose	Lower – Number and type (molded, straight)	
	Lower – Inside diameter	
	Upper – Number and type (molded, straight)	
	Upper – Inside diameter	
	By-pass – Number and type (molded, straight)	
	By-pass – Inside diameter	
Fan	Number of blades & Spacing	
	Diameter	
	Ratio–fan to crankshaft rev.	
	Fan cutout type	
	Bearing type	
*Drive belts (Indicate belt used by letter)	Fan	
	Generator	
	Water Pump	
	Power Steering	
	Air Conditioning	

* Drive Belt Dimensions	
Angle of V	
Nominal length (SAE)	
Width	

AMA Specifications – Passenger Car

Supplement to Page 9

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

SUPPLEMENTARY INFORMATION

MODEL 500-600-700-900

ENGINE - COOLING SYSTEM

Type		Air, forced supply by centrifugal blower
Engine Shrouding		Engine enclosed in sheet metal to direct cooling air over fins on outside of engine cylinders, cylinder head castings and crankcase
Engine Blower	Type	Centrifugal
	Location	Mounted horizontally on top center of engine
	Material	Magnesium
	Diameter	11.20
	Number of vanes	11
	Driven by	"V" belt
	Air flow	1460 cfm @ 4000 engine RPM
	Pulley (PD)	4.1875
	Ratio-fan to crankshaft	1.58:1
	Bearing type	Permanently lubricated ball bearing
Drive Belt	Type	"V"
	Pitch length	55.7
	Width	.38
	Angle of "V"	40°
Air Thermo-stats	Function; number	Two; regulates air flow control doors
	Type	Bellows
	Location	Lower part of plenum under front cyls.
	Bellows start to open at	205° (approximately)

AMA Specifications – Passenger Car

MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (•) 12-3-63

MODEL	5 7-900	5-7-900	627-667
	Std. Engine	Hi-Perf. Eng.	Turb/Chgd. Engine

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco #1980556
	Voltage Rtg. & Total Plates		12 Volts - 54 Plates
	SAE Designation & Amp Hr. Rtg.		42 Amp hr @ 20 hr rate
	Location		Left side of engine compartment
	Terminal grounded		Negative
Generator	Make		Delco-Remy
	Model		#1102226
	Type		Two brush, shunt wound
	Ratio—Gen. to Cr/s rev.		2.3:1
	Gen. cut-in (hot)—engine rpm		510
Regulator	Make		Delco-Remy
	Model		• #1119305
	Type		Vibrator
	Cutout relay	Closing voltage @ generator rpm	11.8 - 13.5 @ 1300
		Reverse current to open	1-4 amps @ 12 Volts
	Regulated	Voltage	13.8 - 14.8
		Current	27 -33
	Voltage test conditions	Temperature	Operating
		Load	8-10 amps
		Other	None

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco-Remy
	Model		#1108306
	Rotation (drive end view)		Clockwise
	Engine cranking speed		
	Test conditions		Operating Temperature
	Lock test	Amps	
		Volts	
		Torque (lb. ft.)	
	No load test	Amps	69
		Volts	10.6
		RPM (min.)	7675
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		SYNCHROMESH - Place gearshift in neutral and depress clutch to floor. POWERGLIDE - Place control lever in N position INITIAL START - Press accelerator pedal to floor to set automatic choke then release. Turn ignition to START & release as soon as engine starts.

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 3-29-63 REVISED (a) 12-3-63

MODEL	5-7-900 Std. Engine	5-7-900 Pwr/gld Engine	5-7-900 Hi-Perf Eng.	627-667 Turb/Chgd. Eng.

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid
	Pinion meshes (front, rear)		Rear
	Number of teeth	Pinion	9
		Flywheel	147
	Flywheel tooth face width		.363 - .387

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco - Remy			
	Model		#1115135			#1115172
	Amps	Engine stopped	4.0			
		Engine idling	1.8			
Distributor	Make		Delco - Remy			
	Model		#1110310	#1110311	#1110319	#1110314
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	700	1700	800	3900
		Intermediate points deg.@rpm				
		Max deg. @ rpm	28 @ 4200	20 @ 4200	20 @ 4800	12 @ 4500
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	6.00	7.00		1.00 (a)
		Intermediate points, deg@in Hg				
		Max. deg. in. Hg.	24 @ 14.00	24@15.00		8° retard @ 3.25 (a)
	Breaker gap (in.)		.019			
	Cam angle (deg.)		31 - 34			
	Breaker arm tension (oz.)		19 - 23			
Timing	Crankshaft deg. @ rpm.		6° @ 500	14° @ 500	14° @ 600	24° @ 850
	Mark location		Crankshaft Pulley			
	Cylinder numbering system (see page 2)		Left Bank 6-4-2 Right Bank 5-3-1			
	Firing order (see page 2)		1-4-5-2-3-6			
Spark Plug	Make and model		AC 46-FF			AC 44-FF
	Thread (mm)		14			
	Tightening torque (lb. ft.)		25			
	Gap		.035 - .040			
Cable	Conductor type		Linen core impregnated with electrical conducting material			
	Insulation type		Rubber with neoprene jacket			
	Spark plug protector		Neoprene			

ELECTRICAL—SUPPRESSION

Locations & type	Non - Metallic high tension ignition cable

(a) No vacuum advance - Unit operates on positive pressure.

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

MODEL 5-6-7-900 | ALL MODELS EXCEPT AS INDICATED

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC
	Trip odometer (yes, no)	600 Series only
Charge indicator—type		Tell-Tale Lamp
Temperature indicator—type		Tell-Tale Lamp
Oil pressure indicator—type		Tell-Tale Lamp
Fuel indicator—type		Electric Gauge
Other		Cylinder head temperature gauge (b) Manifold Pressure gauge (b)
Ignition switch	Identify positions in order and circuits controlled	1st Position-CCW from Vertical-LOCK 1st Position-CW from Vertical-OFF(unlocked) 2nd Position CW from Vertical-ON(Ignition, Battery, Accessories) 3rd Position CW from Vertical-START, spring return to ON
	Provision for illumination	None
	Location	Instrument panel to right of steering column
Main lighting switch	Identify positions and lamps controlled	Full Depressed-Off 1st Notch-Instru. Panel, Park, Tail and License Lamps 2nd Notch-Instru. Panel, Head, Tail and License Lamps CW Rotation of Knob- Instru. Panel, Dim to Off CCW Rotation of Knob-Instru. Panel Lamps, Off to Bright; Full CCW Rotation, Dome and/or Instr. Panel Courtesy Lamps, On
Other light switches	Locations and lamps controlled	Toe Panel-Headlamp dimmer. Glove Compartment-Glove Compartment(c). Steering Mast Jacket-Direction Signal Indicator. Brake Pedal-Stop. Transmission Controls-Backup(c). Luggage compartment and engine compartment-Mercury switch at lamp(a). Front door hinge pillars-dome and courtesy(d). Below Instrument panel-Parking brake alarm (a).
Other switches	Locations and devices controlled	Temp-Oil Pressure-Engine. Cyl. Head Temp. -Engine(b). Manifold pressure-crossover at intake manifold(b). Fan-Generator-Voltage Regulator. Heater-below Instru. Cluster. W/S Wiper-Instru. Cluster. Auto. Trans. Neutral Safety Switch - Steering mast jacket (a). A/C controls- below Instru. Panel (a). Hydraulic folding top motor - below Instrument Panel (e).
Windshield wiper	Make	Delco
	Type	Electric, Single Speed Std.; two-speed available optionally •
	Vacuum booster provision	None
	Washer provision	DIA with Std. w/s wiper; included with optional two-speed w/s wiper
Horn	Type	Vibrator
	Number used	Model 500, one; Model 6-7-900, two
	Amp draw (each)	8.00-11.0 @ 12.5V

(a) Optional, All Models
(b) 600 Series only
(c) Standard on 6-900 Models
(d) Dome Std. on all Models except 667 & 967; courtesy
(e) Optional on Models 667, 967

AMA Specifications – Passenger Car

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

MODEL 5-6-7-900 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		1-1445	
Parking		2-1157	
Tail		2-1157	
Stop		2-1157	
Direction signal	Front	2-1157	
	Rear	2-1157	
	Indicator	Except 600, 2-1445; 600, 2-1895	
License Plate		1-1155	
Oil pressure and Temp. Indicator		1-1895	
Charge and Fan Indicator		1-1895	
Instrument		Except 600, 2-1816; 600, 2-1895	
Clock		1-1895	Optional
Radio		1-1893	Optional

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

Ignition lock	Not offered	
Back up	2-1156 (a)	Optional
Dome	1-211	Regular Prod.
Glove compartment	1-1895 (a)	Optional
Prkg. brake signal	1-257	Optional
Luggage compartment	1-1003	Optional
Underhood	1-93	Optional
Courtesy (Instru. Panel)	2-631 (b)	Optional
Map	Not offered	
Auto. Trans. Dial Indicator	1-1445	Optional
Heater Controls	1-1445	Regular Prod.

(a) Reg. Prod. on 6 & 900
(b) Reg. Prod. on Convertibles

Regular Production Lamp Bulbs Continued

Model 600 Only

Fuel Gage	1-1895
Vacuum Gage	1-1895
Tachometer Gage	1-1895
Temp. Gage	1-1895

AMA Specifications – Passenger Car

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

MODEL 5-6-7-900 ALL MODELS EXCEPT AS INDICATED

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).

Headlamp	(a) - - - 15 C. B.	Fuel Gage, (d)
Headlamp beam indicator	(a)	Cigar Lighter (b)
Parking lamp	(a)	Tach. Gage Lamp (c)
Tail lamp	(b) - - - AGC 10	Temp. Gage Lamp (c)
Stop lamp	(b)	Vacuum Gage Lamp (c)
Direction indicator	(c) - - - AGC 3	Fuel Gage Lamp (c)
License plate lamp	(b)	Folding Top Motor, Instru. Panel - 40 C.B
Instrument lamp	(c)	W/S Wiper (2-Speed)
Ignition lamp	- -	Switch - - - 14 C. B.
Back up lamp	(d)	(f)
Dome lamp	(b)	Underhood Lamp in Line - - - AGC 4
Clock 6 & 900	(g) *	Lugg. Compt Lamp (b)
Clock lamp	(c)	Park. Brake Alarm (d)
Radio	(e) - - - AGC 2.5	Air Conditioning
Glove compartment lamp 6 & 900	(g) - - - AGC 10	In Line - - - AGC 15
Heater 5 & 700	(d) - - - AGC 10	In Line - - - AGC 15
Heater 6 & 900	(d) - - - AGC 15	
Courtesy (Instru. Panel) 6 & 900	(g) **	
W/S Wiper	(f) - - - SAE 20	
Heater Control Lamp	(c)	
Auto. Trans. Dial Indicator	(c)	
Oil and Temp. Indicator	(d)	
Tach. Gage	(d)	
Gen. and Fan Indicator	(d)	
Temp. Gage and Buzzer	(d)	

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	23.6
		Highest	23.6
	Stop		23.6
	Backup		23.6
	License, rear		26.2
	Directional	Front	20.2
		Rear	23.6
	Headlamp	Inside	24.2
		Outside*	24.2
Distance from C/L of car to center of bulb	Tail	Inside	--
		Outside	24.8
	Stop		24.8
	Backup		18.3
	License, rear		On centerline
	Directional	Front	22.6
		Rear	24.8
	Headlamp	Inside	20.8
		Outside*	28.6

* If single headlamps are used enter here.

* 5 & 700 without glove compt. lamp, AGC 3

** 5 & 700 without glove compt. lamp, AGC 4

AMA Specifications – Passenger Car

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

MODEL 5-6-7-900 | ALL MODELS EXCEPT AS INDICATED

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Chevrolet, Single Dry Disk, Centrifugal
Type pressure plate springs		Diaphragm, Bent Finger Design
Effective plate pressure (lb.)		Except turbocharged, 1250-1450; Turbocharged, 1275-1475
No. of clutch driven discs		One with two friction surfaces
Clutch facing	Material	Woven asbestos
	Outside & inside dia.	8.0, 6.0 except Turbocharged, 9.12, 6.12
	Total eff. area (sq.in.)	44.0 except Turbocharged, 71.8
	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	None

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	3-Speed Standard; 4-Speed Optional
Manual with overdrive (std. or opt.)	Not offered
Automatic (std. or opt.)	Powerglide optional with 500, 700 and 900 models.

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds			3-Speed	4-Speed
Transmission ratios	In first		3.22	3.20
	In second		1.84	2.19
	In third		1.00	1.44
	In fourth		--	1.00
	In reverse		3.22	3.66
Synchronous meshing, specify gears			2nd & 3rd	All forward gears
Shift lever location			Floor	
Lubricant	Capacity (pt.)		2.2	3.6
	Type recommended		Meeting 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 CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (a) 12-2-63

MODEL 5-6-7-900 ALL MODELS EXCEPT AS INDICATED

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			
	Lubricant	Capacity (pt.) (Overdrive only)		
		Separate filler (yes, no)		
		Type recommended		
		SAE viscosity number	Summer	
			Winter	
			Ext. cold	

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Powerglide
Type describe		Torque Converter with Planetary Gears
Method of Selection (Lever, Push Button or other)		Lever
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 and 1.00:1 L and R - 1.82:1
Max. upshift speeds—drive range		49
Max. kickdown speeds—drive range		45
Torque convertor	Number of elements	3
	Max. ratio at stall	2.60:1
	Type of cooling (air, water)	None
Lubricant	Capacity—refill (pt.)	6
	Type recommended	Type A, Suffix A
Special transmission features		

DRIVE UNITS—PROPELLER SHAFT NONE

Number used		
Type (exposed, torque tube)		
Outer diameter x length* x wall thickness	Manual transmission	
	Overdrive transmission	
	Automatic transmission	

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

(Continued)

AMA Specifications – Passenger Car

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

MODEL 5-6-7-900 | ALL MODELS EXCEPT AS INDICATED

DRIVE UNITS—PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		
	Lubrication (fitting, prepack)		
Universal joints	Make		
	Number used		
	Type (ball and trunnion, cross, other)		
	Bearing	Type (plain, anti-friction)	
		Lubric. (fitting, prepack)	
Drive taken through (torque tube or arms, springs)			
Torque taken through (torque tube or arms, springs)			

DRIVE UNITS—REAR AXLE

Description (see instructions)			Component of transaxle system.; Stradle mounted hypoid gear with differential carrier rigidly mounted to Engine.
Limited Slip differential, type			Disk clutch, one side
Drive Pinion Offset			1.75
No. of differential pinions			2
Gear ratios (Std. equip.)	Manual transmission		All except 600 models; 3-and 4-speed, 3.27:1. 600 Models; 3-and 4-speed, 3.55:1
	Overdrive transmission		Not offered
	Automatic transmission		With Regular Production Engine, 3.27:1; With Hi-Performance Engine, 3.55:1
Ring gear O.D. (std. ratio)			6.750
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			None
Wheel bearing type			Double row spherangular roller
Lubricant	Capacity (pt.)		4.0
	Type recommended		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		3.27:1	3.55:1	
No. of teeth	Pinion	11	9	
	Ring gear	36	32	

AMA Specifications – Passenger Car

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

MODEL 5-6-7-900 | ALL MODELS EXCEPT AS INDICATED

DRIVE UNITS—WHEELS

Type & material		Short spoke disk, steel
Rim (size and flange type)	Std.	13 x 5.5J
	Opt.	13 x 5.5J Wire Wheel
Attachment	Type (bolt or stud)	Stud (a)
	Circle diameter	4.5
	Number and size	4 Hex Nuts, 7/16-20 UNF 2B

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	6.50 x 13-4 PR
	Type - Nylon, etc.	Rayon, tubeless, blackwall
Rev/mile at 50 mph.		864
Inflation press.(cold)	Front	15
	Rear	26
Optional tires - size and ply		6.50 x 13-4 PR, highway, rayon, tubeless, w/wall; with wire wheel option, 6.50 x 13-4 PR, highway, rayon, tube, w/wall

BRAKES—SERVICE

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.)			Not offered
Effective area (sq. in.)*			126.1
Gross lining area (sq. in.)**			126.1
Swept drum area (sq. in.)***			197.9
Percent brake effectiveness—front			46
Drum	Diameter	Front	9.0
		Rear	9.0
	Type and material		Composite: Cast iron rim; Steel web. Rear drums finned
Wheel cylinder bore	Front		.875
	Rear		.9375
Master cylinder bore			1.0
Available pedal travel			6.0
Line pressure at 100 lb. pedal load			783
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.

(a) For wire wheel, adapter and spinner cap (2-5/8-8 UN 2B)

AMA Specifications—Passenger Car

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

MODEL 5-6-7-900 | ALL MODELS EXCEPT AS INDICATED

BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted			Bonded
	Front Shoe	Material		Molded Asbestos
		Size (length x width x thickness)	Front wheel	8.62 x 1.75 x .17
			Rear wheel	8.62 x 1.75 x .17
		Segments per shoe		1
	Rear Shoe	Material		Molded Asbestos
		Size (length x width x thickness)	Front wheel	9.40 x 1.75 x .20
			Rear wheel	9.40 x 1.75 x .20
		Segments per shoe		1

BRAKES—PARKING

Type of control		Ratchet; handle operated pulleys and cables
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	Integral, with step-down underbody floor, front and rear side rail type members, and front and rear end sheet metal components welded to body assembly.

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		None
Special provisions for car jacking		Front wheels; place jack 4" rear of seam in body side sill (in area of front door front edge). rear wheels; place jack 10" forward of wheel opening.
Shock absorber front & rear	Type	Direct, double acting, hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		Rear suspension coil springs in combination with Transverse single leaf spring

SUSPENSION—FRONT

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

(Continued)

* Air Suspension:
Air spring type
Compressor data
type
make
drive ratio
Normal operating pressures
spring rates
leveling data

AMA Specifications – Passenger Cars

MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (e) 12-2-6

MODEL 5-6-7-900 | ALL MODELS EXCEPT AS INDICATED

SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D.; bar length x dia.	6.42 and 3.453; 90.351 x .470
	Spring rate (lb. per in.)	182
	Rate at wheel (lb. per in.)	106.5
	Design load (lb. @ design height)	770 @ 6.42
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & bar diameter	Steel, .810

STEERING

Manual (std., opt., NA)				Standard
Power (std., opt., NA)				Not offered
Adjustable steering wheel (tilt, swing, other)		Type and description		Not offered
		(std., opt., NA)		---
Wheel diameter		Manual		16.0
		Power		---
Turning diameter	Outside front	Wall to wall (l. & r.)		40.1
		Curb to curb (l. & r.)		38.2
	Inside rear	Wall to wall (l. & r.)		22.8
		Curb to curb (l. & r.)		23.1
Outside wheel angle with inside wheel at 20°				18.18°
Manual	Gear	Type		Semi-reversible, recirculating ball nut with integral steering shaft
		Make		Saginaw
		Ratios	Gear	18:1
			Overall	25:1
	No. wheel turns			Lock to Lock 4.75
Power	Type (coaxial, linkage, etc.)			--
	Make			--
	Gear	Type		--
		Ratios	Gear	--
			Overall	--
	Pump driven by			--
	Number wheel turns			--
Linkage	Type			Parallel relay
	Location (front or rear of wheels, other)			Front
	Drag link (trans. or longit.)			None
	Tie rods (one or two)			Two

(Continued)

AMA Specifications – Passenger Car

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

MODEL 5-6-7-900

ALL MODELS EXCEPT AS INDICATED

STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		6-1/2 to 7-1/2
	Bearings (type)	Upper	Ball stud with non-metallic bearing surfaces
		Lower	Ball stud with non-metallic bearing surfaces
		Thrust	None
Wheel alignment (range and preferred)	Caster (deg.)		P1-1/2 to P2 (Curb)
	Camber (deg.)		O to P1 (Curb)
	Toe-in (outside tread-inches)		5/32 per wheel (Curb)
Steering spindle & joint type			Forging with pad for mounting brake cylinder, spherical
Wheel spindle	Diameter	Inner bearing	1.0623-1.0618
		Outer bearing	.6868-.6873
	Thread size		11/16-24 NEF-3 (Modified)
	Bearing type		Taper Roller

SUSPENSION—REAR (a)

Type and description			Swing axle independent rear suspension (b)
Drive and torq. taken through (see page 17)			Drive through control arms; torque through chassis
Spring	Type		Coil and Single-Leaf
	Material		Steel Alloy
	Size (length x width, coil design height and I.D., bar length & dia.)		Single-Leaf: 47.70 x 2.68. Coil: RH-7.45 & 3.453; 98.804 x .486. LH-7.45 & 3.453; 111.867 x .506.
	Spring rate (lb. per in.)		Single-Leaf: 290; Coil: 185.
	Rate at wheel (lb. per in.)		142.5 (combined)
	Design load (lb. at design height)		Sgl-Leaf: 915@N.81 camber, Coil: RH-950@7.45; LH-1095@7.45
	Mounting insulation type		None
	If leaf	No. of leaves	One
		Inserts: Type and size	--
		Material	--
		Shackle (comp. or tens.)	For vertical loading only
Stabilizer	Type (link, linkless, frameless)		None
	Material		--
Track bar type			None

(a) Rear Wheel Alignment
Camber (Degrees) - - - - P1 (Curb)
Toe-In (Overall) - - - - 1/4 (Curb)

(b) With hollow box-section type upper control arms, coil springs and concentric shock absorbers, and transverse single leaf spring rubber-mounted at Differential. Rear wheels driven independently through universally-jointed axle shafts. Drive and torque taken through control arms.

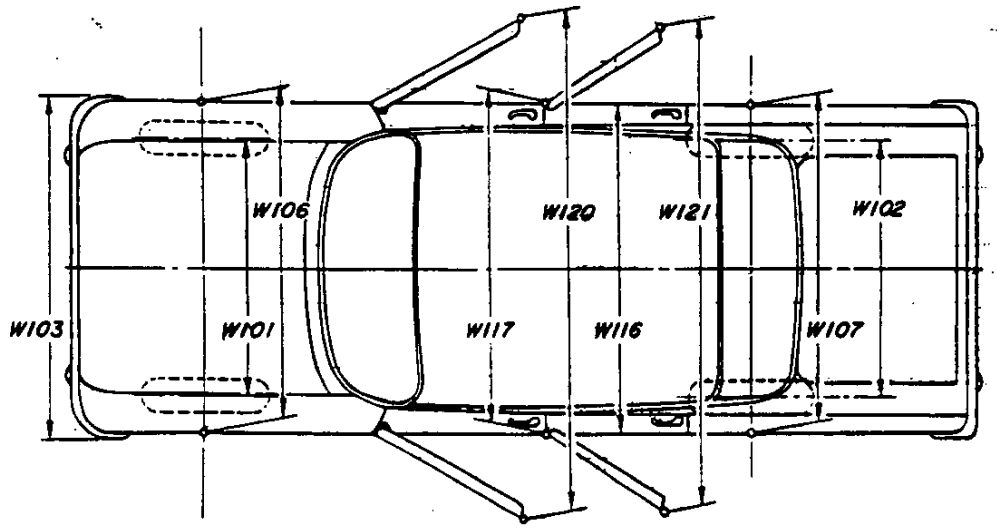
MAKE OF CAR CORVAIR MODEL YEAR 1964 DATE ISSUED 9-23-63 REVISED (e)

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

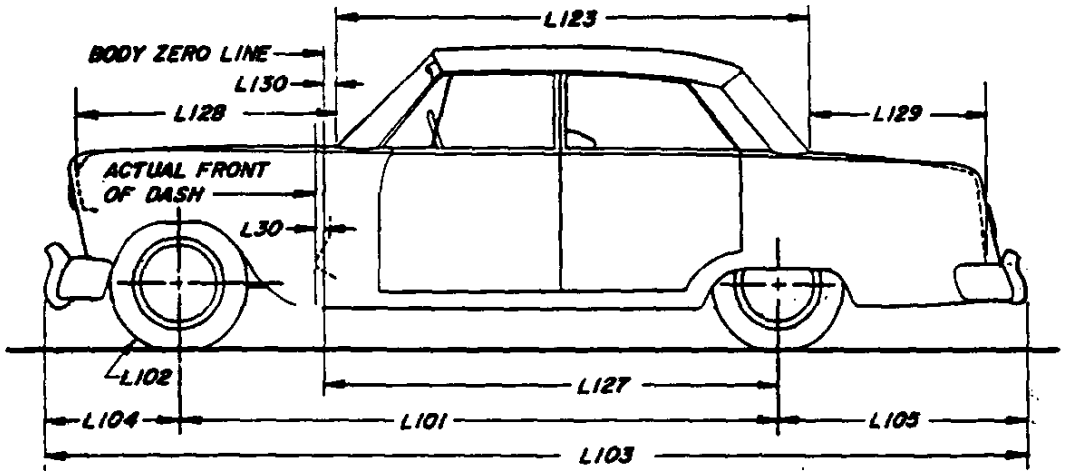


MODEL 5-6-7-900	Ref. No.	Sedans	Coupes	Convertibles
Tread - front	W101	54.4		
Tread - rear	W102	55.1		
Maximum overall car width	W103	67.0		
Maximum overall body width	W116	67.0		
Maximum body width at #2 pillar	W117	66.0	---	---
Front fender overall width	W106	66.3		
Rear fender overall width	W107	65.5		
Maximum overall car width - front doors open	W120	130.1	145.5	
Maximum overall car width - rear doors open	W121	124.1	---	

AMA Specifications – Passenger Car

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

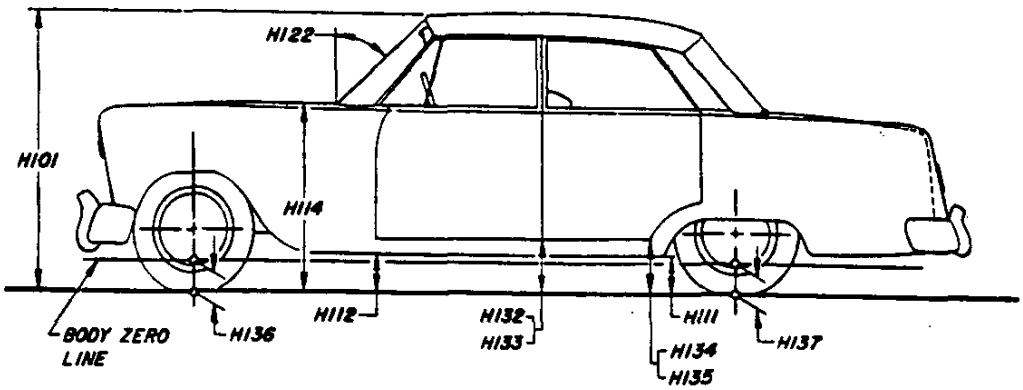
EXTERIOR LENGTH DIMENSIONS



MODEL 5-6-7-900	Ref. No.	SEDANS	COUPES	CONVERTIBLES
Body zero line to actual front of dash	L30	.6		
Wheelbase	L101	108.0		
Overhang - front	L104	30.3		
Overhang - rear	L105	41.7		
Overall length	L103	180.0		
Hood length at car centerline	L128	42.4		
Body upper structure length at car centerline	L123	95.7	85.7	90.2
Deck length at car centerline	L129	35.3	44.3	39.9
Body zero line to centerline of rear wheels	L127	99.0		
Body zero line to windshield cowl point	L130	9.7		
Tire size	L102	Refer to Page 18		

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

EXTERIOR HEIGHT DIMENSIONS

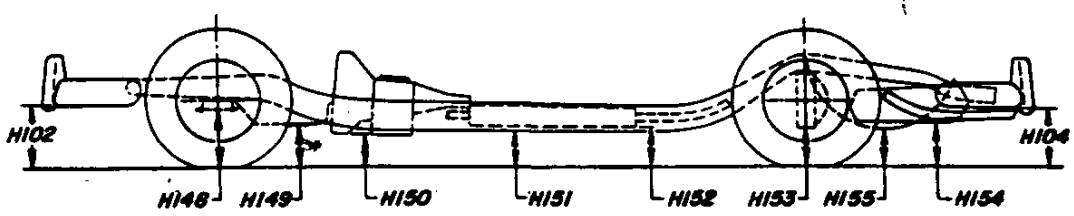


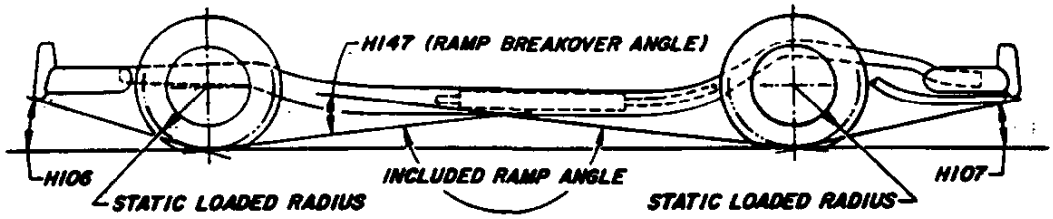
MODEL 5-6-7-900	Ref. No.	SEDANS	COUPES	CONVERTIBLES
Overall height	H101	51.5	51.4	51.1
Hood at rear to ground	H114	34.2		
Rocker panel to ground - front	H112	7.7	7.3	
Rocker panel to ground - rear	H111	7.2	7.0	
Bottom of door to ground, open - front	H132	12.2	12.4	
Bottom of door to ground, closed - front	H133	10.8		
Bottom of door to ground, open - rear	H134	10.8	---	---
Bottom of door to ground, closed - rear	H135	10.6	---	---
Windshield slope angle	H122	52.8°		
Body zero to ground - front	H136	5.1		
Body zero to ground - rear	H137	5.1		

AMA Specifications–Passenger Car

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

GROUND CLEARANCE DIMENSIONS



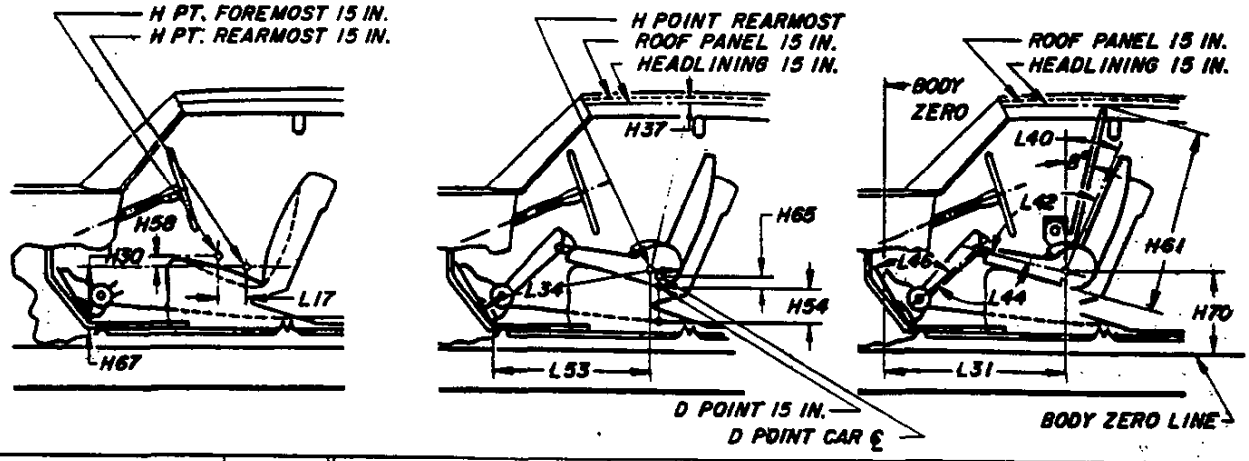


MODEL 5-6-7-900	Ref. No.	SEDANS	COUPES	CONVERTIBLES
Front bumper to ground	H102	15.1	15.0	14.8
Rear bumper to ground	H104	15.2	15.5	15.3
Angle of approach	H106	25.4°	24.8°	24.4°
Angle of departure	H107	14.5°	15.4°	15.0°
Ramp breakover angle	H147	12.7°	12.9°	12.5°
Front suspension to ground	H148	6.0	5.8	6.0
Oil pan to ground	H149	6.0		5.8
Flywheel housing to ground	H150	5.5		
Frame structure to ground	H151	5.8		5.6
Exhaust system to ground	H152	7.2	7.6	7.4
Rear axle differential to ground	H153	5.4	5.9	5.7
Fuel tank to ground	H154	6.6		6.4
Spare tire well to ground	H155	----		
Minimum running ground clearance	H156	5.5		

AMA Specifications—Passenger Car

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

FRONT COMPARTMENT DIMENSIONS

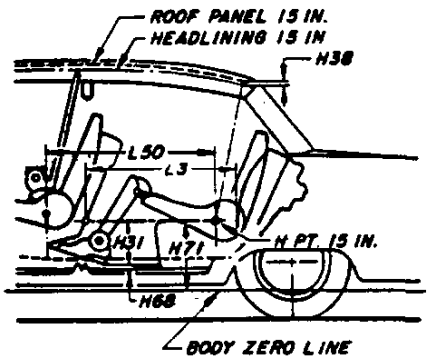


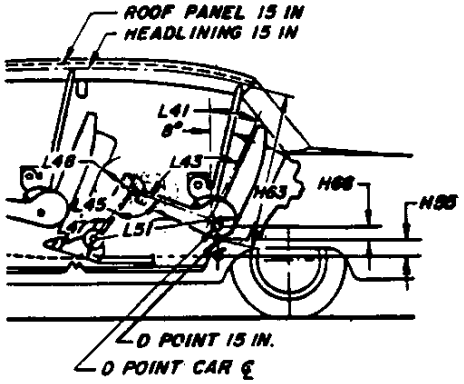
MODEL 5-6-7-900	Ref. No.	Sedans		Coupes		Convertibles
		Bench	Bucket	Bench	Bucket	Bucket
H Point to body zero line	L31	42.9	42.6	42.7		
H Point to body zero line - front	H70	NA				
Effective head room	H61	37.6	37.7	37.7	37.6	37.9
Headlining to roof height	H37	.5	.6	.5	.6	---
Maximum effective leg room - accelerator	L34	41.1	41.0			
H Point to heel point	H30	7.5	7.6	7.5	7.6	
Depressed floor covering thickness	H67	.5				
Back angle	L40	24°	25°			
Hip angle	L42	92°	93°	92°	93°	
Knee angle	L44	124°	123°	122°	123°	
Foot angle	L46	78°	78°	77.5°	77°	
D Point differential, side to center	H65	.2	---	.1	---	---
D Point to tunnel	H54	4.9	---	4.8	---	---
H Point to accelerator floor point	L53	34.1	34.0	33.9		
H Point travel	L17	4.0				
H Point rise	H58	.5				

AMA Specifications – Passenger Car

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

REAR COMPARTMENT DIMENSIONS



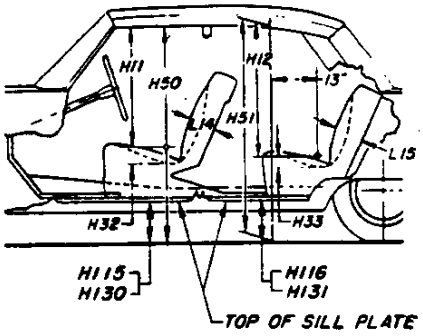


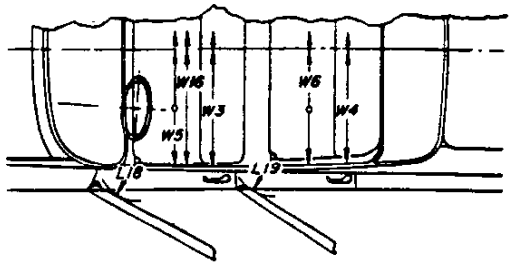
MODEL 5-6-7-900	Ref. No.	Sedans		Coupes		Convertibles
		Bench	Bucket	Bench	Bucket	Bucket
H Point couple distance	L50	30.9	31.4	28.5	27.7	28.8
H Point to body zero line – rear	H71	NA				
Effective head room	H63	36.6	36.8	36.6	37.2	37.8
Headlining to roof height	H38	.6	.6	---	.1	---
Minimum effective leg room	L51	33.6	33.5	31.1	31.1	31.4
H Point to heel point	H31	10.0		8.7	8.6	8.7
Depressed floor covering thickness	H68	.4	.2	.4	.2	
Minimum knee room	L48	2.3	2.6	.9	---	
Rear compartment room	L3	25.4		23.4	22.4	23.9
Back angle	L41	27°	21°	19°	22°	19°
Hip angle	L43	83°	77°	67°	70°	68°
Knee angle	L45	84°	83°	73°	73°	75°
Foot angle	L47	117°	116°	113°	109°	112°
D Point differential, side to center	H66	.4	.2	.3	.1	.3
D Point to tunnel	H55	3.9		2.6	2.3	2.4

AMA Specifications – Passenger Car

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

SEAT AND ENTRANCE DIMENSIONS



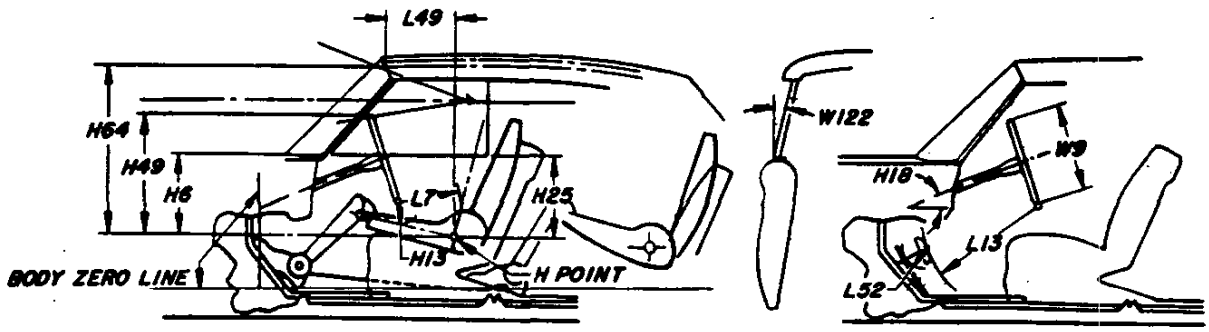


MODELS 5-6-7-900	Ref. No.	Sedans		Coupes		Convertibles
		Bench	Bucket	Bench	Bucket	Bucket
Shoulder room – front	W3	53.9				
Hip room – front	W5	58.2				
Seat width – front	W16	50.7	53.1	50.7	53.2	
Upper body opening to ground – front	H50	46.0	45.9	45.9		
Entrance height – front	H11	29.0	28.7	28.8	28.7	27.9
Step height – front (design load)	H115	12.7				
Step height – front (curb load)	H130	14.3				
Entrance foot clearance – front	L18	13.8	13.2	13.2		13.0
Seat cushion deflection – front	H32	3.7	3.5	3.7	3.5	4.0
Seat back thickness – front	L14	6.0	6.4	6.0	6.5	
Shoulder room – rear	W4	53.6		52.0		43.9
Hip room – rear	W6	56.7	57.6	56.7	56.6	47.2
Upper body opening to ground – rear	H51	45.8		---	---	---
Entrance height – rear	H12	29.0	29.3	---	---	---
Step height – rear (design load)	H116	12.7				
Step height – rear (curb load)	H131	14.2				
Entrance foot clearance – rear	L19	11.0		9.2		9.4
Seat cushion deflection – rear	H33	3.2	3.4	3.9	4.6	4.0
Seat back thickness – rear	L15	5.7		6.2		

AMA Specifications – Passenger Car

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

VISION AND CONTROL DIMENSIONS



MODEL 5-6-7-900	Ref. No.	Sedans		Coupes		Convertibles
		Bench	Bucket	Bench	Bucket	Bucket
H Point to windshield bottom DLO	H6	18.3	18.1	18.3	18.1	
H Point to windshield upper DLO	H64	30.6	30.4	30.6	30.4	30.3
H Point to windshield upper DLO	L49	12.3	12.1	12.0		
Belt height – front	H25	16.8	16.6	16.7	16.6	
Steering wheel center to centerline of car	W7	14.0				
Steering wheel maximum outside diameter	W9	16.0				
Steering column angle – horizontal	H18	20°				
H Point to top of steering wheel	H49	22.7	22.4	22.6	22.4	
Steering wheel torso clearance	L7	12.2	12.0	12.0	11.9	
Steering wheel thigh clearance	H13	3.2	2.9	3.1	3.0	
Brake pedal knee clearance	L13	24.0				
Brake pedal to accelerator	L52	2.9				
Tumble-home	W122	14°				

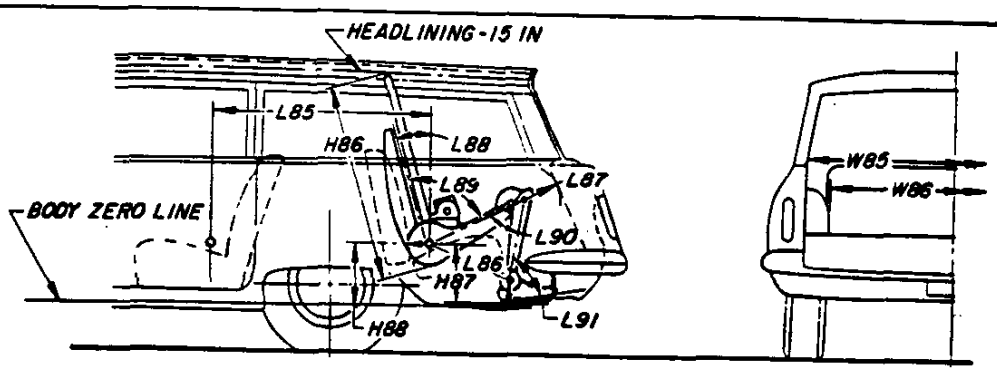
AMA Specifications – Passenger Car

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

LUGGAGE COMPARTMENT

MODEL 5-6-7-900	Ref. No.	SEDANS	COUPES	CONVERTIBLES
Usable luggage capacity (See instructions)		6.6		
Liftover height	H195	28.6		
Position of spare tire storage		Horizontal, Engine Compartment (a)		
Method of holding lid open		Torsion Rod Counter-balanced		

THIRD SEAT DIMENSIONS



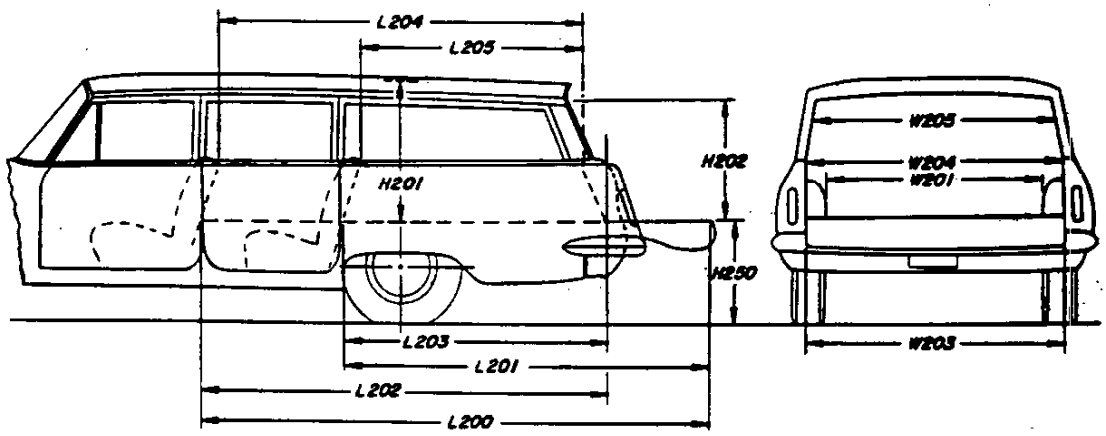
MODEL	Ref. No.	
Seat facing direction		
Shoulder room	W85	
Hip room	W86	
H Point couple distance	L85	
H Point to body zero line - third seat	H88	
Effective head room	H86	
Effective leg room	L86	NONE
H Point to heel point	H87	
Knee room	L87	
Back angle	L88	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

(a) In front compartment when air conditioning is used

AMA Specifications—Passenger Car

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

STATION WAGON—CARGO SPACE DIMENSIONS



MODEL	Ref. No.	
Floor length from back of front seat at floor level to end of lowered tail gate or floor	L200	
Floor length from back of second seat at floor level to end of lowered tail gate or floor	L201	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	
Floor length from back of second seat at floor level to inside of closed tail gate	L203	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	
Minimum horizontal distance from top rear of second seat back to inside of tail gate at belt	L205	
Maximum width of cargo space at floor - specify location	W200	
Minimum distance between wheel houses at floor level	W201	NONE
Rear end opening width at floor	W203	
Rear end opening width at belt	W204	
Maximum width of rear opening above belt	W205	
Maximum height - floor covering to headlining at centerline of rear axle	H201	
Maximum height of rear opening - tail and lift gates open	H202	
Platform height from ground to top of tail gate floor covering at rear most edge of tail gate - curb weight	H250	
Rear end closure (e.g., one piece door, hinged left - sliding glass, drop tail gate)		
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$		

AMA Specifications – Passenger Car

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

MODEL 5-6-7-900

SEDANS	COUPES			CONVERTIBLES
	527	627-	927	

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)		No			
Hood release control (internal, external)		External			
Vehicle (Serial) No. Location		Front surface of left body center pillar			
Engine No. Location		Top rear surface, left half of crankcase			
Theft protection - type		Shielded ignition lock terminals, key removable in "Lock" or "On" position			
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 cotton - Jute (a)			
	3rd seat	None			
Seat back type	Front	Formed wire and cotton - rubber			
	Rear	Formed wire and cotton - foam pad			
	3rd seat	None			
Windshield glass type (i.e., single curved - laminated plate)		Single, curved			
Backlight glass type (i.e., compound curved - tempered plate, three piece)		One piece, curved			Convertible is flexible plastic - flat
Side glass type (i.e., curved - tempered plate)		Flat			
Side glass exposed surface area		1092.7	1015.7	1027.2	1023.5
Windshield glass exposed surface area		1122.8			
Backlight glass exposed surface area		1104.2	1069.2		726.6
Total glass exposed surface area		3381.7	3207.7	3219.2	2872.9

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

Power windows	Side Windows	NA
	Vent Windows	NA
	Backlight or tailgate	NA
Power seats (specify type as well as availability)		NA
Reclining front seat back		NA
Front seat headrest		NA
Radios (specify type as well as availability)		Manual, Push Button, AM-FM Optional
Rear seat speaker		Optional for sedans and coupes
Power Antenna		NA
Clock		Optional
Air Conditioner (specify type and availability)		Recirculating, Optional

(a) Foam pad on 969.

AMA Specifications – Passenger Car

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

WEIGHTS

	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
				Pass. in Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Model 5-6-7-900								
500								
527 2-Door Club Cpe.			2450	42	58			2365
600								
627 2-Door Club Cpe.			2555	42	58			2470
667 2-Door Conv.			2665	41	59			2580
700								
769 4-Door Sedan			2500	37	63			2415
900								
927 2-Door Club Cpe.			2530	41	59			2445
967 2-Door Conv.			2640	41	59			2555
969 4-Door Sedan			2555	37	63			2470

Accessories & Equipment Differential Weights				Remarks
Air Conditioning			+ 107	
Heater, Deduct			- 28	
Radio, Manual			+ 11	
Radio, Push Button			+ 13	
Seat, Folding Rear			+ 30	Standard equipment for Models 627, 927, 969
Transmission, Powerglide			+ 8	
Wheels, Wire			+ 51	

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, exluding 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 fr 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 fra

H152 EXHAUST SYSTEM TO GROUND. Minimum clearance. Spe location.

H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND. Minimu clearance.

H154 FUEL TANK TO GROUND. Minimum clearance measured fr sheet metal or drain plug, but excluding supports or straps.

H155 SPARE TIRE WELL TO GROUND. Minimum clearance.

H156 MINIMUM RUNNING GROUND CLEARANCE. Location o measurement on the car is to be clearly recorded.

H195 LIFTOVER HEIGHT. Vertical dimension from luggage compar ment lower opening to ground.

INDEX