1972

CHEVROLET

PASSENGER CAR SPECIFICATIONS

VEGA 2300

ENGINEERING PRODUCT INFORMATION DEPARTMENT

WARREN • MICHIGAN

GENERAL

MODEL IDENTIFICATION

VEGA 2300

MODEL 14111 2-DOOR SEDAN, 4-PASSENGER
MODEL 14177 2-DOOR HATCHBACK COUPE, 4-PASSENGER
MODEL 14115 2-DOOR KAMMBACK WAGON, 4-PASSENGER
MODEL 14105 2-DOOR PANEL EXPRESS, 1-PASSENGER

SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE SERIAL NUMBER

Vehicle Designation Interpretation

1 V 77 B 2 U 100001

- 1 — Make ("1" for Chevrolet)
- V — Car line and Series (***)
- 77 — Body Style (last two digits of model Number)
- B — Engine Type (**)
- 2 — Model Year 1972
- U — Assembly Plant (*)
- 100001 — Sequential Number

*U – Lordstown–Chevrolet

**B – L4-140 (80 H.P.)
B – L4-140 (90 H.P.)

***V – Vega Sedan
V – Hatchback Coupe
V – Kammback Wagon
V – Panel Express

EXAMPLE: The twenty-fifth Chevrolet vehicle built at Chevrolet Lordstown if it were a 14177 model (Vega Hatchback Coupe) with a L4-140 (80 H.P.) engine would bear VIN Number 1V77B2U10025.

Location . . . . . Stamped on plate attached to left hand windshield pillar.

TRANSMISSION IDENTIFICATION

● Example: ZA02E01

Type Designation	Source Designation	Model Year 1972	Production° Month & Date
ZA	(Opel)	2	E01D*

ZA	3-Speed	L-4 engine	Opel
ZB	4-Speed	L-4 engine	Opel
RR	Powerglide	L-4 engine	C - Cleveland E - McKinnon Ind.

Location:
3 & 4-speed . . . . . Stamped on pan.
Powerglide . . . . . Stamped on right hand side of pan.

°Month: E denotes May; 01 denotes 1st day.
-Alpha Characters used in identifying the Calendar Month

A - January	D - April	K - July	R - October
B - February	E - May	M - August	S - November
C - March	H - June	P - September	T - December

*-The letter "D" or "N" following the date numerals indicates day or night shift, on automatic only.

ENGINE IDENTIFICATION

Example: T1210CNA

Source Designation	Production* Month & Date	Type Designation
T (Tonawanda)	1210	CNA

140 Cubic Inch L-4, Base Engine

CNA - Regular production engine, 3-Speed, 1-bbl. carb.
CND - Regular production engine, Powerglide, and Turbo Hydra-matic, 1-bbl. carb.
CNA - Regular production engine, 4 speed, 1-bbl. carb.

140 Cubic Inch L-4 (RPO L11)

CNB - Optional 3-speed, 2-bbl. carb.
CSK - Optional, Powerglide, and Turbo Hydra-matic, 2-bbl. carb.
CNB - Optional, 4-speed, 2-bbl. carb.

Location:
4-Cylinder engine . . . . . Stamped opposite the number three cyl. on the right side of case.

*–Month: December, 12; 10th day of December, 10.

REAR AXLE IDENTIFICATION

Location, Identification Number

Bottom left or right of axle tube adjacent to carrier housing.

See Power Train Section for additional information.

STANDARD EQUIPMENT
EXTERIOR

	FRONT	14111	14177	14115	14105
	Windshield Reveal Molding	X	X	X	X
	Argent Painted Plastic Radiator Grille	X	X	X	X
●	Parking Lamps in Valance Panel, Amber Lens	X	X	X	X
	Headlamp Bezel, Painted Ring	X	X	X	X
	Grille Header Panel Nameplate – "Chevrolet Vega 2300"	X	X	X	X
	Dual Exposed Windshield Wipers	X	X	X	X
	SIDE				
	Front Fender Amber Marker Lamp	X	X	X	X
	Front Door and Fixed Rear Quarter Window Bright Frame Moldings		X	X	
	Flush Type Front Door Handles	X	X	X	X
	Rectangular Outside L.H. Rear View Mirror	X	X	X	X
	Hub Caps	X	X	X	X
	Rear Quarter Panel Red Marker Lamp	X	X	X	X
	Simulated Sail Panel Louvers	X	X		
●	Fixed Rear Quarter Window With Moldings	X			
●	Metal Rear Quarter Window Panels				X
	Roof Drip Molding		X	X	
	REAR				
	Deck Lid Louvers	X	X		
	Rear Quarter Louvers			X	X
	Rear End Panel Nameplate, "Chevrolet Vega 2300"	X	X	X	
	Tailgate Nameplate, "Chevrolet Vega 2300"			X	X
	Tailgate "Kammback" Script			X	
	Rear Window or Tailgate Window Reveal Moldings	X	X	X	X
	Dual Tail and Back-Up Lamps, Bright Rings	X	X		
	Single Tail Lamp with Back-Up Lamp, Bright Bezels			X	X
	Swing Up Deck Lid and Rear Window		X	X	X

●

EXTERIOR–INTERIOR TRIM OPTIONS

OPTION AND MODEL APPLICATION		CONTENTS	LIMITATION
B84 Body Side Moldings	14100	Body Side Upper Molding	Not Avail. ZJ2, Z29
B93 Door Edge Guards	14100	Door Edge Guards	
● YE4 *Deluxe Interior* and Exterior	14111	Front Door and Rear Quarter Window Moldings Floor Carpet Protector Adjustable Passenger Seat	
● ZJ1 Custom Interior	14111 14177 14115	Deluxe Cloth Seat Trim Deluxe Door and Rear Quarter Trim Deluxe Instrument Panel Pad and Assist Handle Acoustic Package Ash Tray on Rear Quarter Panels Inside Tilt Rear View Mirror	
		Chrome Parking Brake Trim Plate Chrome Trans. Control Trim Plate Hood Insulator Adjustable Passenger Seat Floor Carpet Protector	Sedan Only
		Load Floor Carpet	Coupe Only
ZJ2 *Custom Exterior* (Not Avail. Z29)	14111 14177 14115	Body Side Lower Molding (Black Paint Fill) Front and Rear Wheel Opening Moldings Black Painted Rocker Panel Outside Door Handle Colored Insert	
		Bright Belt Reveal Molding	Coupe Only
		Front Door and Rear Quarter Moldings	Sedan Only
Z29 GT Sport Equipment	14177 14115	Body Side Lower Molding (Black Paint Fill) Black Grille, Bright Molding Deluxe Instrument Panel Pad and Assist Handle Special Gauge Instrument Cluster, Clock and Wood-Grain Trim Special 4-Spoke Vinyl Steering Wheel 2-Position Adjustable Driver Seat Back Front Fender "GT" Emblem Black Painted Rocker Panel Outside Door Handle Colored Insert Trim Rings (RPO P06) Four-Spoke Stamped Wheels High Performance Engine (RPO L11) Special Front & Rear Suspension (RPO F41) A70-13 White Letter Tires (part of RPO F41) Parking Lamp Clear Lens, Amber Bulb Bright Parking Lamp Bezel	
		Bright Belt Reveal Molding	Coupe Only
D88 Hood and Deck Lid Stripes	14177 14115	Body Paint Striping – Header, Hood, Deck and Rear End Panel	Z29 Only

• STANDARD EQUIPMENT
INTERIOR

SEATS AND FLOOR COVERING	14111	14177	14115	14105
High Back Front Bucket Seats, Foam Pattern Vinyl	X (a)	X	X	X (b)
• Folding-Rear Seat Cushion, Foam Pattern Vinyl	X (e)	X	X	
Package Shelf Cover, Embossed Board	X			
Folding Front Seat Back Lock, Bright	X	X	X	
• Floor Mat, Rubber				X (c)
Stowage Compartment, Painted Metal	X	X	X	X
Rear Seat Back, Painted and Ribbed Textured Metal		X	X	
Load Compartment Floor, Rubber Mat		X		X (d)
Load Compartment Floor, Carpet			X	
• Floor Covering, Carpet	X	X	X	
Seat Belts, 2-Front, 2-Rear	X	X	X	X (b)
Front Seat Integral Head Restraints	X	X	X	
Transmission Shift Console, Floor Mounted	X	X	X	X
Front Stowage Compartment, Painted Metal				X
Shoulder Belts, 2-Front	X	X	X	X (b)
Outer Seat Belt Protective Cover		X	X	X
Front Seat Hinge Arm Cover		X	X	
INSTRUMENT PANEL AND STEERING WHEEL				
Instrument Panel Knobs, Bright Beads Black Inserts, Graphic Functions	X	X	X	X
Heater Control Levers, Bright	X	X	X	X
Instrument Panel Pad, Upper	X	X	X	X
Clock Hole Cover	X	X	X	X
Ash Tray Faceplate Black–Painted	X	X	X	X
2-Speed Electric Windshield Wipers, and Push-Button Manual Washers	X	X	X	X
Vent Control Knobs, Cowl Kick Pad	X	X	X	X
Steering Wheel, Black Plastic	X	X	X	X
Black Foam Padded Steering Wheel Shroud	X	X	X	X
Turn Signal Knob, Black Plastic	X	X	X	X
Steering Column Ignition Lock	X	X	X	X
Cigarette Lighter		X	X	
• • Instrument Panel Compartment (W/O A/C)	X	X	X	X
• Bright Hot Stamping around Instrument Cluster and Bezel		X	X	X

(a) Driver seat adjustable, passenger seat fixed
(b) Driver seat only (Chevy-Van seat, without head restraint)
(c) Front floor mat only
(d) Painted metal
• (e) Fixed seat
•
•

STANDARD EQUIPMENT
INTERIOR

	14111	14177	14115	14105
ROOF AND PILLARS				
● Headlining, Perforated Hardboard	X	X (c)	X (c)	X
Windshield Pillar and Garnish Moldings, Painted Plastic	X	X	X	X
Center Pillar Molding, Colored Plastic	X	X		X
Rear Quarter Window Moldings, Colored Plastic	X	X		X
Rear Window Molding, Colored Plastic	X	X	X	
Roof Side Rail Garnish Moldings, Colored Plastic	X	X	X	X (a)
Sunshades, Dual Padded Vinyl	X	X	X	X (b)
Coat Hooks, Colored Plastic	X	X	X	
● Center Dome Lamp	X	X	X	X
Courtesy Lamp, Beneath Cluster Carrier	X			
Rear View Mirror, Windshield Mounted	X	X	X	X
Front Door Jamb Switch	X	X	X	X
Rear Door Hinge Cover, Painted Plastic			X	
DOOR AND QUARTER PANEL				
Form Molded Plastic Door Trim Panel With Integral Left Hand Map Pocket, Armrest and Door Handle Release Pocket	X	X	X	X
Bright Aluminum Sill Plates	X	X	X	X
Form Molded Plastic Rear Quarter Trim Panel	X	X	X	
Bright Remote Door Handle	X	X	X	X
Bright Window Regulator Handle	X	X	X	X
Deck Lid Panel, Colored Plastic		X		
Tail Gate, Deck Lid Garnish Moldings, Colored Plastic		X	X	
Door Lock Buttons, Bright Plastic	X	X	X	X

(a) Forward of "B" pillar only
(b) Driver side only
(c) With sound deadener

●

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC
FEATURE GROUPS		
Appearance Guard Group	ZP5	
Guards, Bumper	V30	ACC
Guards, Door Edge	B93	ACC
Operating Convenience Group	ZQ2	
Clock, Electric (Included with Z29)	U35	ACC
Defogger, Rear Window Electric	C49	
Mirror, Inside Tilt Rear View	D31	ACC
MODEL OPTIONS		
Exterior, Custom (Not available Z29, Panel Express)	ZJ2	
Equipment, GT Sport (Coupe or Kammback Wagon)	Z29	
Interior, Custom (Not available Panel Express)	ZJ1	
Interior and Exterior, Deluxe (Sedan only)	YE4	
Moldings, Body Side	B84	
Stripes, Hood and Deck Lid (Z29 only) (For PRO ZR8 or RPO YF8)	D88	
Special Deluxe Equipment (Sedan only)	YF9	
Stripes, Hood and Deck Lid, White (When RPO D88 is specified)	ZR8	
Stripes, Hood and Deck Lid, Black (When RPO D88 is specified)	YF8	
● Appearance and Convenience Package (Panel Express)	YG5	
POWER TEAMS		
Axle, Rear, Performance	ZQ9	
Axle, Rear, Positraction	G80	
Engine, L-4	L11	
Transmission, 4-Speed	M20	
Transmission, Powerglide	M35	
● Transmission, CBC Automatic	M38	
POWER ASSISTS		
Steering, Power	N40	

EQUIPMENT	RPO	ACC
OTHER OPTIONS		
Air Deflector, Rear (Kammback Wagon and Panel Express)	C51	
Air Conditioner	C60	
Alarm, Audio Theft		ACC
Antenna, Radio – Rod and Mast		ACC
Antenna, Windshield	U76	
Cap, Gas Tank Filler, Locking		ACC
Carrier, Roof Luggage		ACC
Cartridge, Fire Extinguisher Refill		ACC
Compass, Auto		ACC
Container, Litter		ACC
Dispenser, Tissue		ACC
Extinguisher, Fire		ACC
Glass, Tinted Body	A01	
Gauges, Instrument Panel	U14	
Harness, Rear Seat Shoulder		ACC
Hitch, Trailer		ACC
Kit, Highway Emergency		ACC
Lamp, Portable Spot		ACC
Lighter, Cigarette		ACC
Mat, Front Floor		ACC
Mat, Rear Floor		ACC
Mirror, Outside Rear View, Right Hand		ACC
Mirror, Vanity (Adhesive Back)		ACC
Molding, Vinyl Body Side (Adhesive Back)		ACC
Rack, Demountable Ski		ACC
Radiator, Heavy Duty	V01	
Radio, AM	U63	ACC
Radio, AM/FM	U69	ACC
Radio Citizen's Band, 6-Channel		ACC
Ring, Wheel Trim	P06	
Seat, Auxiliary (Panel Express only)	A61	
Seat Back, Adjustable Driver's (4° Tilt) (Not Panel Express)	AN6	
Seat, Child Safety (Standard and Deluxe)		ACC
Seat, Infant Safety		ACC
Speaker, Auxiliary (Not Panel Express)	U80	ACC
Speedometer, Kilos	U18	
Spot Lifter, Fabric		ACC
Suspension, Front and Rear Special Performance (Not Panel Express)	F41	
Warmer, Battery		ACC
Warmer, Interior Car		ACC
Wheel, Sport Steering (Not Panel Express)	NK4	
Wheel Covers, Simulated Wire		ACC
Window, Swing-Out Rear Quarter (Sedan or Coupe)	A20	
FACTORY INSTALLED REGULAR PRODUCTION TIRES		
● A78-13 Bias Non-Belted Blackwall (RPO YF9 only)	PJ8	
A70-13 Bias Belted, Blackwall with White Letters (F41 only)	PJ5	
A78-13 Bias Belted, Blackwall	PJ7	
A78-13 Bias Belted, Whitewall	PJ6	
● A78-13 Bias Non-Belted, Whitewall	PJ9	

FOUR SEASON (RPO C60)

Integral air cooling and heater system. Manually controlled by three vertical levers on instrument control panel, plus 4-speed fan switch. Left lever operates compressor and air selector doors; center lever controls air flow from instrument panel outlets; right lever directs air to defroster outlets.

BASIC COMPONENTS

Control panel, evaporator, blower, condenser, receiver-dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems.

EQUIPMENT (Used in addition to or in place of base equipment)

CHASSIS

● Rear Axle Ratio - Refer to Power Trains Section

POWER TRAINS

Fan	5 Flex-blade, plastic
Crankshaft Pulley	Dual
Compressor & Crankshaft Belt	One
Generator	55 Ampere
Radiator	Heavy duty

DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS

CODE	DESCRIPTION	2-DOOR SEDAN 14111	2-DOOR COUPE 14177	2-DOOR WAGON 14115	2-DOOR PANEL 14105
	● Front Compartment				
L17	"H" point travel	5.0			
L34	Maximum effective legroom	42.3	42.8	42.2	42.3
L40	Back angle	26.0			
L42	Hip angle	99.5	98.3	99.5	100.0
L44	Knee angle	131.0	132.9	131.5	
L46	Foot angle	88.0			
W3	Shoulder room	53.0			
W5	Hip room	49.2	49.4	49.2	49.4
W17	Hat room	49.2	50.2	49.2	
H3	Seat cushion height	11.0	10.1	10.9	9.6
H11	Entrance height	30.4	30.0	30.4	30.0
H13	Steering wheel thigh clearance	3.7	4.7	3.7	
H26	Metal to metal at ℄ car	36.5	34.8	36.6	
H27	Metal to metal at ℄ occupant	44.9	43.2	44.9	45.0
H30	"H" point to heel point	8.7	7.8	8.5	9.0
H61	Effective headroom	38.3	37.6	38.4	38.0
	● Rear Compartment				
L3	Rear compartment room	23.5	24.3	24.3	
L41	Back angle	23.0	26.0	23.0	
L43	Hip angle	81.5	76.0	80.5	
L45	Knee angle	85.0	75.0	83.5	
L47	Foot angle	115.5	112.5	113.5	
L48	Knee clearance	1.5	0.8	1.3	
L50	"H" point couple distance	29.5	28.4	29.4	
L51	Minimum effective legroom	33.9	31.6	33.6	
W4	Shoulder room	49.5			
W6	Hip room	42.5			
W18	Hat room	47.4	49.2	48.0	
H8	Seat cushion height	12.1	11.1	12.1	
H12	Entrance height	30.3	30.8	30.3	
H31	"H" point to heel point	10.1	9.4	11.2	
H63	Effective headroom	37.4	36.6	37.7	
	Luggage Capacity (Cu. Ft.)				
V1	Usable luggage capacity	8.7	9.3*	50.2†	50.2@
	● Station Wagon – Cargo Space				
L202	Cargo Length at floor – Front Seat		65.5	67.4	67.4
L204	Cargo Length at Belt – Front Seat		61.5	60.5	60.5
W201	Cargo Width at Wheel House		42.0	42.6	42.6
W204	Opening Width at Belt		44.3	47.4	47.4
H201	Max. Cargo Height		28.0	28.9	28.9
H202	Rear Opening Height		32.0	26.1	26.1
L200	Max. Cargo Length at Front Seat		65.5	67.4	67.4
L203	Cargo Length at Floor – Second Seat		37.0	37.5	–
L205	Cargo Length at Belt – Second Seat		35.0	30.0	–
H250	Tailgate to ground		30.0	22.8	22.8
L201	Max. Cargo Length – Second Seat		37.0	37.5	–
W203	Opening Width at Floor – Rear		45.3	42.1	42.1
W205	Rear Opening Width above Belt		45.5	38.0	38.0
V2	Total Cargo Volume (Cu.Ft.)		49.3	50.2	50.2**

*With rear seat up, 18.9 seat down
**68.7 includes front seat floor area
†Rear seat folded
@68.7 includes front seat floor area

CODE	DESCRIPTION	2-DOOR SEDAN 14111	2-DOOR COUPE 14177	2-DOOR WAGON 14115	2-DOOR PANEL 14105
	Length				
L30	"O" line to dash	0.13			
L101	Wheelbase	97.0			
L102	Tire size (Standard)	A78 x 13 (a)			
L103	Overall length	169.7			
L104	Overhang – front	31.5			
L105	Overhang – rear	41.2			
L123	Body upper structure length	91.7	93.7	106.3	
L127	"O" line to ℄ rear wheels	86.0			
L128	Hood length at ℄	52.8			
L129	Deck length at ℄	21.5	19.5	–	–
L130	"O" line to w/s cowl point	12.6			
	Width				
W101	Tread – front	55.1			
W102	Tread – rear	54.1			
W103	Maximum overall width	65.4			
W106	Front fender overall width	65.3			
W107	Rear fender overall width	65.3			
W116	Maximum overall width of body	65.4			
W117	Maximum overall body width @ No. 1 pillar	64.6			
W120	Maximum overall width – front door open	146.8			
W121	Maximum overall width – rear door open	–			
	Height				
H101	Overall height	51.9	50.0	52.0	
H102	Front bumper to ground	18.3		18.2	
H104	Rear bumper to ground	18.5		17.8	
H111	Rocker panel to ground - rear	6.1			
H112	Rocker panel to ground - front	6.5			
H114	Hood at rear to ground	35.4			
H115	Step height - front (design)	11.4			
H116	Step height - rear (design)	--			
H122	Windshield slope angle	55.0	57.5	55.0	
H125	Headlamp to ground	26.0	25.9	26.0	
H126	Tail lamp to ground	24.8	24.9	27.7	
H136	Body "O" line to ground - front	4.9			
H137	Body "O" line to ground - rear	4.8			
H158	Roof thickness	4.3	3.7	4.4	
H159	DLO height	13.7	12.5	13.7	
● H160	Body thickness	27.5			
	Clearances				
H106	Angle of approach	27.1°		26.6°	
H107	Angle of departure	17.5°		17.6°	
H147	Ramp to breakover angle	11.2		11.4	
H148	Front suspension to ground	5.6			
H149	Oil pan to ground	4.8			
H150	Flywheel housing/trans. assy. to ground	4.8			
H151	Frame to ground	4.8		4.9	
H152	Exhaust system to ground	5.6		5.9	
H153	Rear axle differential	6.7			
H154	Fuel tank to ground	8.0		8.3	
H156	Minimum ground clearance	4.8			

(a) A70-13

VEHICLE WEIGHTS

VEGA 2300

MODEL SYMBOL	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
4-Cyl.	Description	Front	Rear	Total	Front	Rear	Total
14111	2-Door Sedan	1206	952	2158	1192	1030	2213
14177	2-Door Coupe	1233	1061	2294	1219	1130	2349
14115	2-Door Wagon	1246	1087	2333	1232	1156	2388
14105	2-Door Panel	1197	987	2184	1183	1056	2239

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment, including grease, oil and (3) gallons of gasoline, and engine coolant to capacity.

CURB WEIGHT: Shipping weight plus gasoline to capacity.

For total shipping, and curb, weights of vehicles equipped with the following options, add to, or deduct from, the base vehicle weight (lbs.).

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT
A61	Auxiliary Seat		+ 39
C60	Air Conditioning		+ 87
F41	Spec Perf Frt-Rr Suspension		+ 20
N40	Power Steering		+ 37
PJ6	Tire		+ 13
PJ7	Tire		+ 10
U63	AM Pushbutton Radio		+ 6
U69	AM-FM Pushbutton Radio		+ 8
YF9	Special Deluxe Equipment		+ 9
ZJ1	Custom Interior		+ 9
Z29	Special GT Coupe		+ 8
-	140 Cu.In. L-4 Engine (90 HP)	Powerglide	+ 48
		4-Speed Manual	+ 3
		Turbo Hydra-matic	+ 88
L11	140 Cu.In. L-4 Engine (110 HP)	Powerglide	+ 48
		4-Speed Manual	+ 3
		Turbo Hydra-matic	+ 88

BODY

ELPO PAINT PROCESS

Major advances in the painting process of Vega 2300 bodies contribute significantly to elimination of rust and corrosion. The new technique, called "Elpo", paints the bodies by electricity. Technically the name is "Electrophonetic Deposit of Polymers". It applies a smooth, even, and continuous prime coat to the entire body including hidden inner surfaces and corners automatically without conventional spraying.

Elpo deposits prime coat to the complete body surface by submerging it into a large tank filled with a solution composed of paint particles suspended in water. The paint primer particles are given a negative electrical charge by the tank which also serves as a cathode, with the body itself receiving a positive electrical charge. As the body is submerged, changed primer particles are attracted to the metal surfaces through a principle known as "Electrophoresis".

A six-stage zinc phosphate rustproofing process is gen the body before it reaches the Elpo installation. A conveyor than transports the bodies downward into a tank for the primer coating. The body is submerged for about two minutes and upon emerging goes through a rocking movement to carry away excess liquid.

The electro-coating process causes even the most remote inner surfaces to be coated with red primer, and all edges and complex shapes coated with the same thickness as exposed flat surfaces.

The new primer paint system replaces the spray gun and paint booth priming operations.

Subsequent stages of the paint process include baking, wet sanding and sealer coating, ending with a topcoat of long lasting acrylic lacquer which is baked in an oven at 300 degrees.

VEGA 2300 14100 SERIES

SERIES	MODEL				INTERIOR TRIM COLORS & CODE NUMBERS					
					Black		Dark Green	Light Covert		Med. Tan
	11	77	15	05	Cloth	Vinyl	Vinyl	Cloth	Vinyl	Vinyl
Standard	X	X	X			860	863		868	866
				X		860	863			
Deluxe	X				862			869		
		X			862	861		869	874	867
			X		862	861		869		867

COLOR CODE	EXTERIOR COLOR				
11	Antique White	X	X	X	X
14	Pewter Silver	X	X		X
25	Mediterranean Blue	X			
46	Oasis Green	X	X	X	
48	Sequoia Green	X	X	X	X
58	Turin Tan	X		X	X
63	Mohave Gold	X		X	X
65	Orange Flame	X			X
68	Midnight Bronze	X			X
75	Cranberry Red	X		▲	

Wheels: Argent with hub caps and wheel covers, dark gray with GT spoke design wheel.

BODY CONSTRUCTION AND GLASS AREA

GENERAL

Construction . . . . . Body-frame integral, using large individual body panels welded together forming complete sub-assemblies. All major sub-assemblies are double panel construction except underbody and rear end panel. The full roof panel subassembly is formed to provide front and rear headers and side rails. Exterior front end sheet metal panels are removable with bolt on fenders. Main front end structure is welded to body proper and forms the base for attachment of engine, front suspension, steering and front end sheet metal. The flush-dry rocker panel system, plastic valance panels and the Elpo paint process provide corrosion protection to the entire body.

HEADLIGHTS

Type . . . . . 7" Power Beam single headlamps

HOOD

Type . . . . . Double panel construction, front hinged, over-center type locking support on right side, holds hood open to (70°) position for engine compartment access.

Release . . . . . Internal, lever located under instrument panel, left of steering column.

VENTILATION

High Level Air Intake for Passenger Compartment . . . . Double wall plenum chamber, providing washing and air drying of rocker panels for corrosion resistance.

Powered System . . . . . Positive, low blower speed activated thru ignition switch. Air is exhausted from passenger compartment via rear deck or rear quarter louvers.

WINDSHIELD WIPERS AND WASHERS

Type . . . . . Dual 2-speed electric with 16" blades

Linkage . . . . . Parallel acting

Washer System . . . . . Manually operated, dual spray

DOORS

Type . . . . . Double panel construction, hinged at front. Side guard beams. Standard spring loaded hold-open feature with single position detent. Welded-on strap type hinges.

Handles . . . . . Flush lift bars

Glass . . . . . Full, curved ventless

REAR END COVER

Model Availability . . . . . Coupe and station wagon hatch, with torque rods counter balanced to aid in opening and closing with positive hold open links.

Sedan Trunk Lid . . . . Counter balanced torque rods

SEATS

Type . . . . . Bucket seats, full foam molded construction with integral head restraints. Coupe and station wagon models folding second seats standard equipment.

Belts . . . . Three-point seat belt and shoulder harness

BODY GLASS

Type, Windshield . . . . . Curved thin laminated plate

Sides and Rear . . . . . Curved tempered safety plate

Rear Quarter Windows . . . . . Curved stationary

STOWAGE WELL (Sedan Delivery)

Location . . . . . Rear of driver seat

SPARE TIRE MOUNT

Location

Sedan . . . . . In well in truck floor

Remainder . . Under floor of luggage compartment

Tools . . . . . Bumper jack with combination lever handle and wheel nut wrench.

BODY GLASS VISIBILITY AREA

	MODELS			
	11	77	15	05
Windshield	1116.2	1143.9	1116.2	
Front Door	956.4	846.2	956.4	
Rear Quarter	589.0	488.2	1105.6	–
Rear Window	973.8	1071.3	662.5	
Total Area (Sq.In.)	3635.4	3549.6	3840.7	2735.1

CHASSIS

FRONT SUSPENSION

FRAME
- Description . . . . . Body-frame integral

FRONT SUSPENSION
- Description . . . . . Independent, SLA type, coil springs with center mounted shock absorbers, spherical joint steering knuckle.
- Wheel Travel (design)
  - Total 6.04
  - Jounce 2.56
  - Rebound 3.48
- Wheel to spring travel ratio 1.956

CONTROL ARMS
- Description . . . . . Reinforced steel stamping with pre-loaded steel encased rubber bushings at pivot.

STEERING KNUCKLES
- Description . . . . . Cast nodular iron with pressed-in spindle, integral brake caliper mounting pads and integral steering knuckle arm.
- Spindle Diameters
  - Inner bearing 1.25
  - Outer bearing 0.6875
- Spindle Thread Size . . . . . 3/4-20 NEF-3 (modified)
- Wheel Bearings
  - Type, inner & outer . . . . . Taper roller

SPHERICAL JOINTS
- Type . . . . . Ball stud
  - Upper . . . . . Compression
  - Lower . . . . . Tension
- Bearing Surfaces
  - Upper & Lower . . . . . Sintered iron

SHOCK ABSORBERS
- Type . . . . . Direct, double acting, hydraulic
- Piston Diameter 1.00

FRONT WHEEL ALIGNMENT (Design)
- Caster (degrees) . . . . . N1-3/4 to P1/4
- Camber (degrees) . . . . . N1-1/4 to P1-1/4
- Toe-In (total) . . . . . 3/16 to 5/16

STABILIZER BAR (RPO F41)
- Type . . . . . Link
- Material . . . . . HR steel
- Diameter 0.875
- Bushing Material . . . . . Rubber

GENERAL SUSPENSION PROVISIONS
- Anti-dive control . . . . . Angle of front upper control arm

FRONT SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

FRONT SPRING SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs/inch)	Heights	
						Free	Working (In. @ lbs.)
3988073	HC	91.08	.548	7.0	325	12.11	8.70 @ 1090
3988074	HD	104.37	.574	8.0	325	12.39	8.70 @ 1180
3988075	HG	104.40	.574	8.0	325	12.67	8.70 @ 1270

STEERING, DRIVELINE, WHEELS AND TIRES

MANUAL STEERING (Standard)
- Description . . . . . Front mounted, semi-reversible gear with ball-nut driven by recirculating anti-friction bearings, energy absorbing steering column.
- Ratios
  - Gear 20.9:1
  - Overall 22.5:1
- Turning Diameter (Ft.)
  - Outside Front, Wall To Wall 34.7
  - Outside, Front, Curb To Curb 33.0
- Number Of Wheel Turns, Lock To Lock 4.4
- Linkage . . . . . Parallelogram type, ahead of front wheels
- Steering Wheel . . . . . 15.25 x 14.75

POWER STEERING (RPO N40)
(Same as standard manual steering except as shown)
- Description . . . . . Integral power piston and variable ratio gear. Vane type pump driven by crankshaft pulley providing hydraulic pressure.
- Ratios
  - Gear 16.0:1/13.0:1
  - Overall 16.6:1
- Number of Wheel Turns, Lock to Lock 3.25

DRIVELINE
- Propeller Shaft . . . . . Tubular
- Number Used . . . . . One
- Diameter (O.D.)
  - Manual Transmission 3.25
  - Automatic Transmission 2.75
- Wall Thickness 0.065
- Length (C/L of U joints)
  - 3-Speed Manual 56.75
  - 4-Speed Manual 55.92
  - Automatic 49.56
- Universal Joints
  - Type . . . . . Cross
  - Number Used . . . . . Two
  - Bearings . . . . . Prepacked, anti-friction

WHEELS (Regular Production)
- Type . . . . . Short spoke spider
- Rim Size . . . . . 13 x 5
- Offset 0.20
- Attachment to Hub
  - Type . . . . . 4 hex nuts
  - Thread Size . . . . . 7/16-20 UNF 2B
  - Bolt circle diameter 4.00

WHEELS (RPO Z29)
(Same as regular production except as noted)
- Type . . . . . GT
- Rim Size . . . . . 13 x 6
- Offset 0.45

TIRES, STANDARD EQUIPMENT
- Load Range . . . . . B
- Size and Construction
  - 6.00 x 13 Bias (Sedans)
    - Static loaded radius 10.75
    - Loaded rev/mi @ 45 mph 891
    - Capacity @ 24 psi 860
  - A78 x 13 Bias (Coupe, Wagon, Panel)
    - Static loaded radius 10.85
    - Loaded rev/mi @ 45 mph 885
    - Capacity @ 24 psi 900
  - A70 x 13 Bias Belted White Letters (GT Model or F41 Suspension)
    - Static loaded radius 11.00
    - Loaded rev/mi @ 45 mph 887
    - Capacity @ 24 psi 900

TIRES, OPTIONAL EQUIPMENT
(Same as regular production except as noted)
- Size and Construction
  - A78 x 13 Bias Belted (Sedans, Coupes, Wagons and Panels)
    - Static loaded radius 10.90
    - Loaded rev/mi @ 45 mph 887
    - Capacity @ 24 psi 900

REAR AXLE

Description	Three-piece housing includes integral cast iron differential carrier and housing with two pressed-in and welded steel tubes. Semi-floating axle shafts. Differential carrier contains hypoid overhung pinion and ring gear. Drive pinion supported by two taper roller bearings.
Drive Pinion Vertical Offset	1.50
Drive Pinion Bearing Adjustment	Shim
Lubricant	
Type	Military spec. MIL-L-2105B
Viscosity	SAE-80
Capacity (pints)	2.8

AXLE SHAFT

Description	Forged and hardened steel with integral drive flange
Wheel Bearings	Single row cylindrical roller
Oil Seal	Steel encased, spring loaded synthetic rubber

RING AND PINION GEAR TOOTH COMBINATIONS

Ring Gear Diameter – 6.50"	
Axle Ratio	
2.53	38, 15
2.92	38, 13
3.36	37, 11

POSITRACTION DIFFERENTIAL

Type	Cone clutches

REAR SUSPENSION

Description	Salisbury rear axle with coil springs; parallel lower control arms, biased upper control arms.
Wheel Travel (Design)	
Total	7.05
Jounce	2.95
Rebound	4.10
Wheel to spring, travel ratio	0.96:1

SHOCK ABSORBERS

Type	Direct, double acting hydraulic
Diameter	1.00

REAR SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

REAR SPRING SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs/inch)	Heights	
						Free	Working (In. @ lbs.)
3988081	HT	107.11	.499	7.39	130	13.34	10.24 @ 400
3988082	HW	107.17	.499	7.39	130	13.72	10.24 @ 450

SERVICE BRAKES

Type	Front disc brakes, rear drum brakes (leading, trailing type). Dual circuit brake system, pressure differential and parking brake warning light. Self adjusting front brake shoes. Rear automatically adjust when parking brake is applied. Integral hub and disc with self adjusting single caliper units mounted on steering knuckle.
Line Pressure @ 100 Lb. Pedal Load	.1270
Braking Ratios	
Pedal	6.7
Hydraulic	4.47
Overall	29.5:1
Total Effective Area (sq.in.)	67.25
Gross Lining Area (sq.in.)	67.25
Swept Drum & Lining Area (sq.in.)	228.4

FRONT DISC BRAKE

Construction	Single rotor integral with hub
Material	Cast iron
Diameter	9.88
Width	0.50
Brake Lining	
Material	Molded asbestos
Size	3.64 x 1.60 x 0.376
Method of Attachment	Integral bonding
Wheel Calipers	
Number Per Wheel	One
Piston Diameter	1.875

REAR DRUM BRAKES

Diameter	9.0 inches
Construction	Composite, web casting rim
Material	
Web	H.R. steel
Rim	Cast iron alloy
Brake Lining	
Material	Full molded asbestos composition
Size (Length x Width x Thickness)	
Primary	9.58 x 1.18 x 0.18
Secondary	9.58 x 1.18 x 0.18
Method of Attachment	Bonded
Wheel Cylinder	
Piston Diameter	0.75
Master Cylinder	
Piston Diameter	0.75
Piston Travel	1.12
Foot Pedal Travel	7.5 inches

PARKING BRAKE

Type	Mechanical, pull rods and cables operate and adjust two rear service brakes.
Total Eff. Area (Sq.In.)	45.0
Control	Lever, floor mounted in center console

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Automatic transmission quadrant	1-194	2
Back-up	2-1156	32
Brake warning	1-194	2
Directional signal indicators	2-194	2
Dome	1-211	12
Generator indicator	1-194	2
Headlamp	2-6014	High beam 60W
		Low beam 50W
Headlamp hi-beam indicator	1-194	2
Instrument cluster	4-168	3
License plate, rear	1-67	4
Oil pressure indicator	1-194	2
Parking	2-1157	
Park		3
Turn		32
Radio	1-1816	3
Rear window defogger	1-168	3
Side marker - front	2-194	2
Side marker - rear	2-194	2
Tail	2-1157	
Tail		3
Stop & turn		32
Temperature indicator	1-194	2
● Courtesy lamp	1-631	6
● Heater or A/C Control Panel	1-1895	2
● Glove compartment	1-1895	2
● Seat belt warning	1-194	2

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air Conditioning	30 amp fuse	In line
	25 amp fuse	Fuse panel
Back-up lamps	20 amp fuse	Fuse panel (a)
Brake warning lamp	20 amp fuse	Fuse panel (a)
Cigarette lighter	20 amp fuse	Fuse panel (d)
Clock	20 amp fuse	Fuse panel (d)
Direction signal indicator lamps	20 amp fuse	Fuse panel (a)
Dome lamp	20 amp fuse	Fuse panel (d)
● Electric fuel pump	10 amp fuse	Fuse panel
Fuel gauge	20 amp fuse	Fuse panel (a)
Generator indicator lamp	20 amp fuse	Fuse panel (a)
Headlamps	Circuit breaker	Light switch
Headlamp hi-beam indicator lamp	20 amp fuse	Fuse panel
Heater	25 amp fuse	Fuse panel
Heater control lamp	4 amp fuse	Fuse panel (b)
● Idle stop solenoid gage	20 amp fuse	Fuse panel (f)
Instrument cluster lamps	4 amp fuse	Fuse panel (b)
License plate lamp	20 amp fuse	Fuse panel
Oil pressure indicator lamp	20 amp fuse	Fuse panel (a)
Park and turn lamp	20 amp fuse	Fuse panel (e)
Radio	10 amp fuse	Fuse panel
Radio lamp	4 amp fuse	Fuse panel (b)
Side marker lamps	20 amp fuse	Fuse panel (e)
Tail, stop, turn lamps	20 amp fuse	Fuse panel (e)
Tachometer	20 amp fuse	Fuse panel (a)
Temperature gauge	20 amp fuse	Fuse panel (a)
Temperature indicator lamp	20 amp fuse	Fuse panel (a)
Traffic hazard indicator	20 amp fuse	Fuse panel (c)
● Transmission control spark gage	20 amp fuse	Fuse panel (f)
Windshield wiper	25 amp fuse	Fuse panel
● Courtesy lamps	20 amp fuse	Fuse panel
● Seat belt warning lamp	20 amp fuse	Fuse panel

* Letter suffix indicates same circuit

POWER TRAINS

POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIO* STD.	OPTION	AIR/CON.	RING GEAR
140 Cubic Inch L-4 Standard	3-Speed (3.24:1 low)	All Models	2.53:1+	2.92:1	2.92:1	6.5
	4-Speed (3.43:1 low)		●2.92:1	3.36:1	3.36:1	
	Powerglide			3.36:1	2.92:1 (a)	
	Turbo Hydra-matic		●3.36:1		3.36:1	
140 Cubic Inch L-4 RPO L11	3-Speed (3.24:1 low)	All Models	2.92:1		2.92:1	6.5
	4-Speed (3.43:1 low)		3.36:1		3.36:1	
	Powerglide					
	Turbo Hydra-matic					

\+ 2.92:1 on Panel Express

* Positraction axles available optionally for all ratios shown

●(a) 3.36:1 in California

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION 1st	2nd	3rd	4th	Rev.	AXLE RATIO
140 Cu.In. L-4 Standard	Single Barrel	3-Speed	8.20	4.25	2.53		8.78	2.53
		4-Speed	10.01	6.31	4.00	2.92	9.69	2.92
140 Cu.In. L-4 RPO L11	2-Barrel	3-Speed	9.46	4.91	2.92		10.13	2.92
		4-Speed	11.52	7.26	4.60	3.36	11.16	3.36

WITH AUTOMATIC TRANSMISSION

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
140 Cu.In. L-4 Standard	Powerglide	Drive	11.15:1 - 2.92:1	● 2.92:1 (a)
		Low & Reverse	11.15:1 - 5.31:1	
140 Cu.In. L-4 RPO L11	Powerglide	Drive	12.83:1 - 3.36:1	3.36:1
		Low & Reverse	12.83:1 - 6.12:1	
140 Cu.In. L-4 Standard	Turbo Hydra-matic ●	Drive	17.77:1 - 3.26:1	● 3.36:1
		Low	17.77:1 - 8.47:1	
		Second	17.77:1 - 5.11:1	
		Reverse	13.61:1 - 6.48:1	
140 Cu.In. L-4 RPO L11	Turbo Hydra-matic	Drive	17.77:1 - 3.26:1	3.36:1
		Low	17.77:1 - 8.47:1	
		Second	17.77:1 - 5.11:1	
		Reverse	13.61:1 - 6.48:1	

NOTE: Any specifications specific to engines restricted to California are indicated accordingly.

●(a) 3.36:1 in California

GENERAL DATA

Engine Type		L4 In-Line OHC	
Piston Displacement (Cu.In.)		140	
Availability		Standard	RPO L11
Number of Cylinders		Four	
Bore and Stroke (nominal)		3.501 x 3.625	
Compression Ratio		8.00:1	
Taxable (SAE) Horsepower		19.6	
Firing Order		1-3-4-2	
Idling Speed	Manual (In Neutral)	700 RPM	
	Automatic (In Drive)	700 RPM	
Compression Press. (PSI) @ Cranking Speed, Engine Hot		150	
Power Plant Mounting		Two front and one rear	
Measurements	Length	32.07	
	Height	22.46	
	Width	21.32	

ADVERTISED ENGINE RATING

Engine	Standard	Option RPO L11
Net Brake HP @ RPM	80 @ 4400	90 @ 4800
Net Torque HP @ RPM (lb-ft)	121 @ 24-2800	121 @ 28-3200

ENGINE SPEED AND PISTON TRAVEL

Engine		Standard				Option RPO L11			
Transmission		3-Spd.	4-Spd.	P/G	T/H	3-Spd.	4-Spd.	P/G	T/H
Rear Axle Ratio		● 2.53 (a)	2.92		3.36	2.92	3.36		
Tire Size		6.00 x 13							
Crankshaft Revolutions per Mile		2254.2	2601.7		2993.8	2601.7	2993.8		
Crankshaft RPM @ MPH	Low	121.7	148.7	78.9	125.7	140.5	171.1	90.8	125.7
	Second	63.1	93.7		75.8	72.9	107.8		75.8
	Third	37.6	59.4	43.4	49.9	43.4	68.4	49.9	49.9
	Fourth		43.4				49.9		
	Reverse	130.4	144.0	78.9	96.3	150.5	165.6	90.8	96.3
Piston Travel (Ft/Mile)		1380.7	1593.6		1833.7	1593.6	1833.7		

(a) 2.92 on Panel Express

VEHICLE PERFORMANCE FACTORS

ENGINE	BASE 140 CU.IN. 80 HP	BASE 140 CU.IN. 80 HP	BASE 140 CU.IN. 80 HP	RPO L11 140 CU.IN. 90 HP	RPO L11 140 CU.IN. 90 HP
MODEL	14111	14115	14177	14111	14177
3-SPEED TRANSMISSION					
Performance Weight (pounds)	2813	2988	2949	2835	2971
Pounds per Net Horsepower	35.16	37.35	36.86	31.50	33.01
Pounds per Cu.In. Displacement	20.09	21.34	21.06	20.25	21.22
Net HP per Cu.In. Displacement	.571	.571	.571	.643	.643
Power Displacement (cu.ft./mile)	91.32	91.36	91.32	105.39	105.39
Displacement Factor (cu.ft./ton mile)	65.22	61.29	62.12	74.22	71.21
4-SPEED TRANSMISSION					
Performance Weight (pounds)	2816	2991	2952	2838	2974
Pounds per Net Horsepower	35.20	37.39	36.90	31.53	33.04
Pounds per Cu.In. Displacement	20.11	21.36	21.08	20.27	21.24
Net HP per Cu.In. Displacement	.571	.571	.571	.643	.643
Power Displacement (cu.ft./mile)	105.39	105.39	105.39	121.27	121.27
Displacement Factor (cu.ft./ton mile)	74.75	70.73	71.21	85.40	81.94
POWERGLIDE					
Performance Weight (pounds)	2861	3036	2997	2883	3019
Pounds per Net Horsepower	35.76	37.95	37.46	32.03	33.54
Pounds per Cu.In. Displacement	20.43	21.69	21.41	20.59	21.56
Net HP per Cu.In. Displacement	.571	.571	.571	.643	.643
Power Displacement (cu.ft./mile)	105.39	105.39	105.39	121.27	121.27
Displacement Factor (cu.ft./ton mile)	73.70	69.34	70.73	84.22	80.31
TURBO HYDRA-MATIC					
Performance Weight (pounds)	2901	3076	3037	2923	3059
Pounds per Net Horsepower	36.26	38.45	37.96	32.48	33.99
Pounds per Cu.In. Displacement	20.72	21.97	21.69	20.88	21.85
Net HP per Cu.In. Displacement	.571	.571	.571	.643	.643
● Power Displacement (cu.ft./mile)	121.27	121.27	121.27	121.27	121.27
● Displacement Factor (cu.ft./ton mile)	83.63	78.75	79.78	83.06	79.26

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	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

CYLINDER BLOCK

Material	Die cast high-silicon aluminum alloy
Bore Diameter	3.500-3.520
Bore Spacing (C/L to C/L)	4.00
Bearing Caps	5-cast iron 2-bolt attachment
Water Jackets	Full length around each cylinder

CYLINDER HEAD

Material	High chrome cast alloy iron
Construction	Integral valve guides and camshaft support
Number of bolts	10
Bolt size	.4375 dia.; 14 threads/inch

COMBUSTION CHAMBER VOLUME

Total chamber volume of assembled engine with piston at top center	5.04 cu.in.

INLET MANIFOLD

Material	Cast alloy iron
Type	4-port design temperature controlled by engine coolant

EXHAUST MANIFOLD

Material	Cast alloy iron
Type	4-port center rear downtake
Outlet diameter (nominal)	1.75

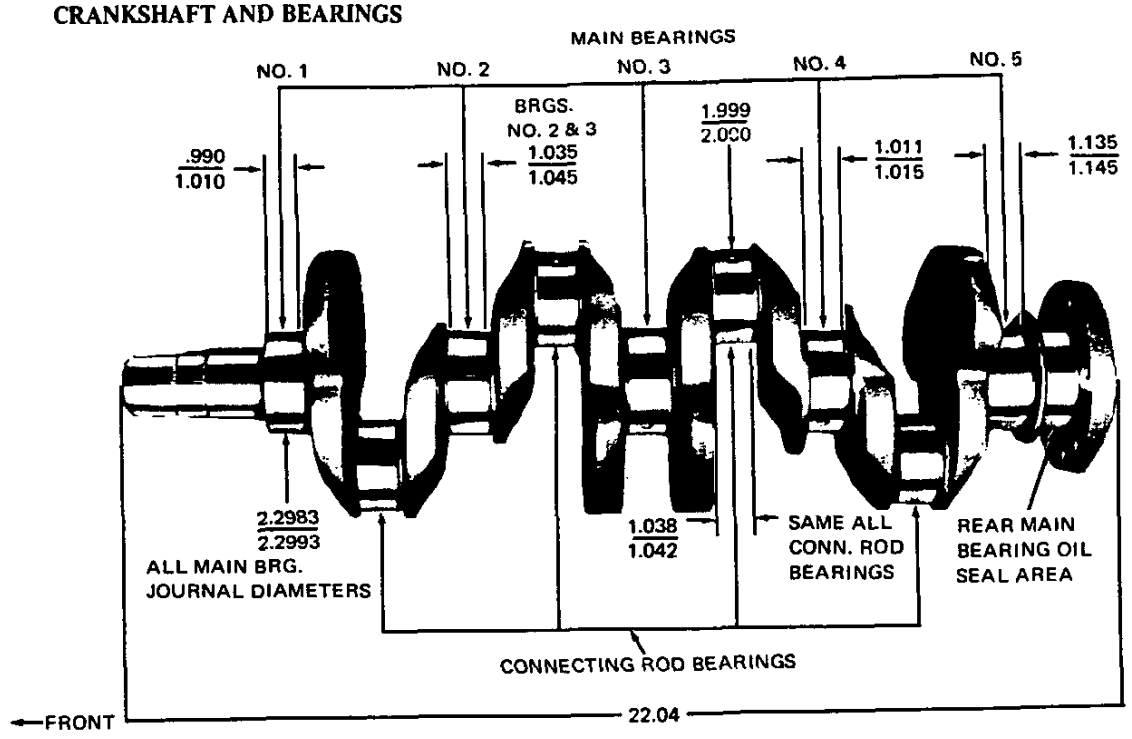
CRANKSHAFT

Material	Cast nodular iron
Counter weights	4
Crank arm length	1.8125
Thrust against Bearing No.	4
End Play	.002-.008
Drive Gear	
Material	Sintered iron sprocket
Pitch diameter	2.865
Width	1.121-1.310
No. of teeth	18

MAIN BEARINGS

Material	Steel backed insert; copper lead alloy lining
Type	Precision removable
Clearance	.0003-.0029
Theoretical Inner Diameter	2.3004
Effective Length	
No. 1, 2, 3 and 5	.752
No. 4	.760

CRANKSHAFT AND BEARINGS



PRINCIPAL COMPONENTS

CAMSHAFT

Location . . . . . In cylinder head
Material . . . . . Cast alloy iron
Drive . . . . . Fiberglass reinforced rubber timing belt with sintered iron drive sprockets
Sprocket
Diameter 5.676-5.681
Width 1.24
Teeth (number) 36
Timing belt
Width 1.031
Teeth (number) 91
Pitch 500
Bearings . . . . . 5; steel backed babbitt

VALVE TRAIN

Type . . . . . Completely contained within cylinder head. Direct-action; cam lobes drive tappets that contain lash adjusters indirect contact with valve stems
Valve tappets . . . . . Mechanical with adjusting screw for valve lash
Valve Lash
Cold . . . . . .015 Intake; .030 Exhaust
Running . . . . . .015 Intake; .016 Exhaust
Valve and Lobe Lift
Base engine . . . . . .4199 Inlet; .4302 Exhaust
RPO L11 . . . . . .4367 Inlet; .4379 Exhaust
Base engine (California) . .4367 Inlet; .4379 Exhaust

VALVE SPRINGS

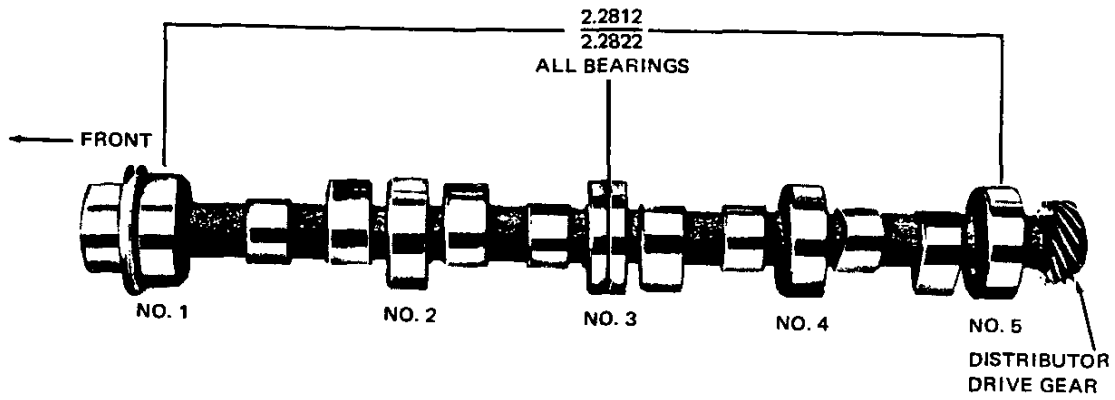
Type . . . . . Single spring with flat inner damper
Diameter (I.D.) 842
Free length 2.03
Installed Length (lb. @ in.)
Valves closed . . . . . 71-79 @ 1.746
Valves opened . . . . . 183-197 @ 1.310
Damper . . . . . Flat steel, 4.5 coils

VALVE TIMING (Crankshaft Degrees)

Base Engine	Excluding Ramps	
	Standard	California
Inlet Valve (opens with .015 lash)		
Opens–BTC	22°	28°
Closes–ABC	58°	70°
Duration	260°	278°
Exhaust Valve (opens with .030 lash)		
Opens–BBC	92°	91°
Closes–ATC	48°	55°
Duration	320°	326°

RPO L11	Excluding Ramps
Inlet Valve (opens with .015 lash)	
Opens–BTC	28°
Closes–ABC	70°
Duration	278°
Exhaust Valve (opens with .030 lash)	
Opens–BBC	91°
Closes–ATC	55°
Duration	326°

CAMSHAFT AND BEARINGS

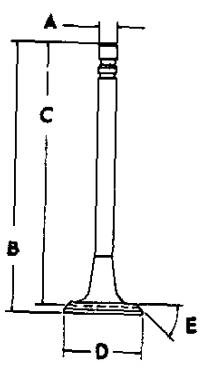


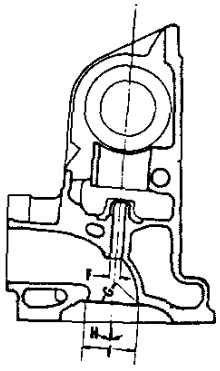
VALVES – INLET

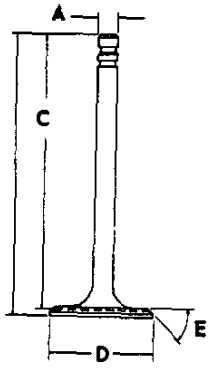
Material . . . . . Alloy steel with stellite face

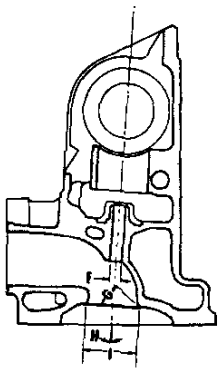
VALVE – EXHAUST

Material . . . . . *High alloy steel with stellite face, chrome flash stem*









A	– Stem Diameter	.3410-.3417
●B	– Overall Length	4.590-4.610
C	– Gage Length	4.503-4.513
D	– Overall Head Diameter	1.615-1.625
E	– Angle of Face	45°
F	– Guide Diameter	.3427-.3437
G	– Angle of Seat	46°
H	– Valve Angle	4°
I	– Valve Seat Diameter	1.575

A	– Stem Diameter	.3410-.3417
B	– Overall Length	4.576-4.596
C	– Gage Length	4.488-4.498
D	– Overall Head Diameter	1.370-1.380
E	– Angle of Face	45°
F	– Guide Diameter	.3427-.3437
G	– Angle of Seat	46°
H	– Valve Angle	4°
I	– Valve Seat Diameter	1.319

PRINCIPAL COMPONENTS

PISTONS

Material	Cast aluminum alloy
Head type	Flat
Skirt	Iron plated open skirt
●Top land clearance	.0300-.0360
Skirt clearance	.0018-.0028
Compression ring groove depth	.1800-.1865
Oil ring groove depth	.2050-.2110
Pin bore offset	.055-.065
Compression height	1.498-1.502

PISTON PINS

Material	Chromium steel
Pin mounting	Locked in rod by shrink fit
Length	2.740-2.760
Diameter	.9270-.9273
Clearance in piston	.00030-.00040

CONNECTING RODS

Material	Drop forged steel
Length (center to center)	5.695-5.705

CONNECTING ROD BEARINGS

Material	Steel backed with copper lead alloy lining
Type	Precision removable
Clearance	.0007-.0027
Theoretical diameter	2.0017
Effective length	.807
End play	.0009-.0014

COMPRESSION RINGS – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	Chrome plated
Width	.0775-.0780
Wall thickness	.154-.164
●Gap	.015-.025

COMPRESSION RINGS – LOWER

Material	Cast alloy iron
Type	Inside bevel (top of ring 30 degrees to piston vertical axis)
Face	Barrel
Coating	Chrome flash
Width	.0775-.0780
Wall thickness	.154-.164
●Gap	.009-.019

OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Stainless steel
Width (assembled)	.1870-.1890
Wall thickness	.154-.160
Rail coatings	Chrome plated
Gap	.010-.030

FUEL SYSTEM

FUEL TANK
- Capacity (gal.) . . . . . 11 (approximately)
- Location . . . . . In recessed well of rear underbody
- Filler Location . . . . Behind hinged rear license plate

FUEL FILTERS – DUAL
- *In fuel tank* . . . . . *Mesh strainer*
- Carburetor Inlet
  - Standard engines . . . . . Paper element
  - RPO L11 . . . . . Sintered bronze element

FUEL PUMP
- Type . . . . . Electric
- Location . . . . . Mounted in fuel tank
- Pressure Range . . . . . 3-4-1/2 PSI @ 12.6 volts

AIR CLEANER
- Type . . . . . One piece welded unit
- Filter element . . . . . Oil-wetted paper

CHOKE
- Type . . . . . Automatic

EVAPORATION CONTROL SYSTEM
- Operation . . . . . System designed to minimize the escape of fuel vapors to the atmosphere.

CARBURETORS
- Standard engine . . . Rochester; single barrel; Mono-jet
- RPO L11 . . . . . Rochester, two barrel; downdraft
- SAE Flange Size
  - Standard engine *1.50*
  - Optional engine 1.25
- Throttle bore 1.44
- Venturi Diameter
  - Standard engine 1.22
  - Optional engine 1.09
- Carburetor hot air . . . . . Exhaust manifold heat stove and heat riser tube to air cleaner air horn. Thermostatically controlled mixing valve in air horn.

EXHAUST AND VENTILATION SYSTEM

TYPE . . . . . *Single exhaust system* with transverse muffler

MUFFLERS
- Type . . . . . Oval, reverse flow
- Construction . . . . . Heads and body joined by rolled lock seam construction
- Head . . . . . .048 sheet steel aluminized
- Shell . . . . . .036 sheet steel aluminized
- Wrap . . . . . .030 indented asbestos sheet
- Cover . . . . . .036 sheet steel aluminized
- Baffles . . . . . 3; .036 sheet steel aluminized
- Length - body 17.90
- Height (I.D.) 5.00
- *Width (I.D.)* 9.25

EXHAUST PIPE
- Material . . . . . Seamless steel tubing
- O.D. and wall thickness . . . . . 1.75 x .064

TAIL PIPE
- Material . . . . . Steel tubing aluminum coated
- O.D. and wall thickness . . . . . 1.50 x .069

EXHAUST EMISSION CONTROLS
- Positive Crankcase Ventilation . . . . Center mounted fitting on the intake manifold supplies constant vacuum through hose to orifice in the front camshaft cover. Clean air supplied by metal pipe from air cleaner to rear of camshaft cover.
- Controlled Combustion System . . . . . Increases combustion efficiency through leaner carburetor mixtures and revised distributor calibration. Special thermostatically controlled damper, in the air cleaner snorkel maintains warm air intake *to carburetor.*
- Transmission Controlled Spark . . . . . Prevents engine vacuum spark advance in all forward gears except hi-gear.
- Air Injection Reactor . . . . . (Used on RPO L11 and engines used in California). Air pump injects air into exhaust manifold which burns unburned portion of exhaust fumes

LUBRICATION SYSTEM

GENERAL
- Type . . . . . Controlled full pressure
- Main Bearings . . . . . Pressure
- Piston Pins . . . . . Splash
- Cylinder walls . . . . . Splash
- Camshaft bearings . . . . . Pressure
- Tappets . . . . . Splash
- Connecting Rods . . . . . Pressure
- Oil pressure sending unit . . . . . Electric opens or closes circuit @ 2 to 6 PSI
- Oil Filler
  - Cap . . . . . Positive seal
  - Location . . . . . Top left front of crankshaft cover

OIL PUMP
- Type . . . . . Eccentric inside-outside gear; driven by crankshaft
- Regulator valve . . . . . Opens between 40-45 lbs.
- Oil Pressure (lbs. @ engine RPM) . . . . 40 PSI @ 1000
- Intake type . . . . . Fixed pickup with screen
- Capacity (GPM @ engine RPM) . 4.5 gals. @ 2000 RPM

OIL FILTER
- Type . . . . . Full flow throwaway type
- Location . . . . . Lower front-left side
- Capacity . . . . . One pint
- By pass valve . . . . . Opens between 9 to 11 PSI drop in pressure

LUBRICANT GRADES AND TEMPERATURES
- 20°F and above 20W, 10W-30, 10W-40, 20W-40
- 0° to 60°F 10W, 5W-30, 10W-30, 10W-40
- Below 20°F 5W, 5W-20, 5W-30

OIL PAN
- Capacity
  - Refill . . . . . 3 Quarts
  - Refill with filter change . . . . . 4 Quarts
  - Type of drain plug . . . . . Hex head
  - Drain plug location . . . . . Right side bottom rear of pan

COOLING SYSTEM

GENERAL
- Type . . . . . Liquid, pressurized
- Capacity (with heater) . . . . . 6.5 Qts.

RADIATOR
- Type . . . . . Tube and center; cross flow
- Distance between fins 20
- Distance between tubes 55
- Thickness of core 1.26
- Frontal area (sq.in.) 144.2
- Radiator cap relief valve . . . . . Opens at approximately 15 PSI

THERMOSTAT
- Type . . . . . Pellet
- Begins to open . . . . . 192°-198°
- Fully opened . . . . . 227°

RADIATOR HOSE
- Outlet, Lower (Radiator to Water Pump)
  - Type . . . . . One, molded; 1.75 I.D.
- Inlet, Upper (Thermostat Housing)
  - Type . . . . . One, molded; 1.28 I.D.

FAN
- Number of Blades . . . . . 5, staggered
- Material . . . . . Plastic
- Diameter 14.0

WATER PUMP
- Type . . . . . Centrifugal, die cast aluminum housing
- Capacity . . . . . 16 GPM @ 2000 RPM
- Water pump/fan drive . . . . . Multiple "V" drive in back side of camshaft timing belt

DRAIN LOCATION
- Engine Block . . . . . Plug; left side center of block

SUPPLY SYSTEM
BATTERY
Type . . . . . Sealed side terminal
Voltage 12
Cranking Power @ 0° F . . . . . 2300 watts
Total number of plates 54
Capacity (SAE) @ 20 hr. rate . . . . . 45 amp. hr.
Number of Cells 6
Terminal Grounded . . . . . Negative
Location . . . . . Right hand front side of engine compartment

GENERATOR
Type . . . . . Diode rectified with integral regulator
Rating
Amps 32
Volts 12
Drive . . . . . By fan belt
Pulley Pitch Diameter 2.70
Ratio (Gen to Engine Speed) 2.73:1

REGULATOR
Type . . . . . Micro-circuit unit, integral with generator
Voltage Regulator
Voltage . . . . . 13.8-14.8 @ 85° F

STARTING SYSTEM
STARTING MOTOR
Rotation (Drive End View) . . . . . Clockwise
Test Conditions . . Engine at operating temperature
No Load Test
Amps 58-80
Volts 10.6
RPM 6750-10500
Motor Drive
Engagement . . . . . Solenoid
Pinion Meshes at . . . . . Rear
Pinion Tooth No. 9
Flywheel Tooth No. 153
Mounting . . . . . Bolted to clutch housing

IGNITION SYSTEM
DISTRIBUTORS . . . . . Refer to chart below

COIL
Type . . . . . 12 Volt
Amperes Drawn
Engine Stopped 4.0
Engine Idling 1.8

SPARK PLUGS
Make & Type ACR42TS
Thread Size (mm) 14
Gap 033-.038
Torque . . . . . 25 lb. ft.

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

DISTRIBUTORS	Standard		Option RPO L11	
	Manual Transmission	Automatic Transmission	Manual Transmission	Automatic Transmission
Model	1110492			1110435
Type	Single breaker			
Cam Angle	31° - 34°			
Breaker Gap	.019 (new)			
Breaker Arm Tension	19 - 23 oz.			
Centrifugal Advance Begins (RPM)	1415			2380
Max Degrees @ RPM	24 @ 4000			20 @ 4000
Vacuum Advance Begins (In. Hg)	7.00			
Max Degrees @ In. Hg	24 @ 15			
Timing (Initial Design Setting) Crankshaft Degrees @ RPM (with vacuum spark line disconnected) ●	6 BTC @ 850	6 BTC @ 700 (4 BTC @ 700)	8 BTC @ 1200	8 BTC @ 700
Timing Mark Location ●	Crankshaft Pulley		Torsional Damper	

Item bracketed ( ) specific for California.

CLUTCHES

Engine			Standard	Option L11
Clutch for			3 and 4-Speed	
Type			Single dry disc centrifugal	
Clutch cover & pressure plate	Eff. plate load, lbs.		1350 - 1450	
	Press. plate matl.		Cast iron	
	Clutch spring type		Diaphragm, bent finger design	
	Clutch spring matl.		Heat treated spring steel	
Driven plate	Type		Single disc with two friction surfaces	
	Cushions		Flat spring steel between friction rings	
	Dampers		8 coil springs (4 sets of two)	
	Friction rings	OD	8.00	9.12
		ID	6.00	6.12
		Total area sq. in.	43.98	71.82
		Material	Woven type asbestos	
Flywheel	Flywheel	Material	Nodular iron	
	Ring gear	Material	Heat treated HR steel	
		No. of teeth	153	
		PD	12.75	
		Attachment	Shrink fit	
Bearings	Release	Type	Single row ball	
		Lubrication	None, prepacked	
	Pilot	Type	Bronze bushing	
		Lubrication	None, sintered and oil impregnated	
Controls	Clutch fork		Drop forged steel, pivot mounted on ball	
	Pedal mounting		Pendant, from brace on dash	
	Lubrication		Crossover shaft	
Clutch housing material			Aluminum alloy	

3-SPEED AND 4-SPEED TRANSMISSIONS

Transmission Type			3-Speed	4-Speed
Case material			Aluminum	
Gear Shift	Type		Remote	
	Control		Lever	
	Location		Floor, mounted between seats	
Gears	Type		Helical	
	Material		Forged steel, hardened	
	Synchronization		All forward gears	
	Constant mesh gear		All forward gears	
	Sliding gears		Reverse	
	Ratios	First	3.24	3.43
		Second	1.68	2.16
		Third	1.00	1.37
		Fourth	–	1.00
		Reverse	3.47	3.32
Lubricant	Type		Meeting Military Specifications MIL-L-2105-B	
	Capacity (pts)		2.4	3
Extension	Material		Aluminum	
	Oil Seal		Steel encased double seal of spring loaded rubber or felt	

POWERGLIDE TRANSMISSION

Engines			Standard	Option L11
General data	Type		Automatic hydraulic torque converter with planetary gear system for low and reverse	
	Selector lever	Location	Floor mounted	
		Operation	Actuates manual valve in hydraulic control system	
		Quadrant pattern	P–R–N–D–L	
	Parking lock	Type	Pawl and gear (on planetary)	
		Operation	Applied by selector lever thru spring loaded linkage	
	Method of cooling		Water	
	Flywheel assembly		Steel stamping with welded on ring gear	
Hydraulic	Manual valve type		Spool	
	Press. regulator valve type		Spool	
	Pressure @ Idle (a)	Drive	51	
		Low	91	
		Reverse	102	
Converter assembly	Type		Three element	
	Pump		Inner and outer sheet steel shells separated by sheet steel vanes. Outer shell is pump housing which is welded to converter housing.	
	Turbine		Inner and outer shells separated by sheet steel vanes, Assembly supported in converter cover.	
	Stator		Operation independent of cover and pump housing. Aluminum air foil supported on a stationary sleeve by an over-running clutch of cam and roller design.	
	Stall torque ratio		2.10	
	Stall speed (RPM)		2230	2150
	Diameter (nominal)		11.75	
Planetary gear set	Type		Compound planetary	
	Range	Drive	1.82 to 1.00	
		Low	1.82	
		Reverse	1.82	
	Low band		Three linked circular segments	
	Low band servo		Piston with release spring and inner cushion spring	
Case	Material		Aluminum (one piece)	
High clutch	Type		Multi-disk	
	Drive plates	Description	Waved steel with bonded organic facings	
		Number	3	
	Driven plates	Description	Flat steel	
		Number	4	
Reverse clutch	Type		Multi-disk	
	Drive plates	Description	Flat steel with bonded organic facings	
		Number	4	
	Reaction plates	Description	Flat steel	
		Number	4	
Torque multiplication	Maximum overall ratio		3.82:1	
	Low and reverse		3.82:1 to 1.82:1	
Lubricant	Type		A suffix A	
	Capacity (pts)	Dry	17	
		Refill	6	
Governor	Type		Centrifugal	
	Operation		Regulates pump oil pressure to automatic shift control valve	
	Drive		Mounted on output shaft	
	Location		In extension	
Oil Pump	Type		Internal-external gear	
	Number		One, front	
	Function		To supply pressure	
	Drive		Converter pump	

(a) Conditions: 450 RPM input @ 25 inches Hg vacuum

TURBO HYDRA-MATIC TRANSMISSION

Engine	Displacement (Cu.In.)		L6-140 Standard and Option L11
General Data	Type		Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse.
	Selector lever	Location	Steering column (a)
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump
		Quadrant pattern	P-R-N-D-L2-L1
	Parking	Type	Locking pawl
	Lock	Operation	Applied by selector lever through manual linkage
	Method of cooling		Water
	Flywheel assembly		Steel stamping with welded on ring gear
Hydraulic System	Oil pressure pump		Supplies hydraulic pressure from an engine driven gear type pump
	Type		Steel spool
	Manual		Establishes range at transmission operation
	Pressure regulator		Controls main line pressure
	Shift (1-2)		Controls oil pressure for transmission shift from 1-2 or 2-1
	Shift (2-3)		Controls oil pressure for transmission shift from 2-3 or 3-2
	Modulator		Regulates line pressure with modulator oil pressure that varies with torque to transmission
	Accumulator		To obtain greater flexibility in attaining desired shift curve for various engine requirements
	Pressure @ Idle (b)	Drive	55
		L2	80
		L1	80
		Reverse	84
Converter Assembly	Pump (Drive member)		Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing
	Turbine (Driven member)		Steel axial flow blades assembled between inner & outer steel shells
	Stator assembly		Aluminum multivane type blades mounted on a one way (overrunning) roller clutch
	Stall ratio		2.10
	Stall speed (RPM)		2110
	Diameter (nominal)		10.00
Planetary Gear Set	Reaction carrier assembly		4 steel pinion gears
	Output carrier assembly		4 steel pinion gears
	Intermediate band		Circular steel with organic lining
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1
		L2 (Low two)	2.52:1 - 1.52:1
		L1 (Low one)	2.52:1
		R (Reverse)	1.93:1
	Servo Unit		Piston with release spring and inner cushion spring
Case	Material		Aluminum
Clutches	Type		Four, multiple disk
	Material	Drive plates	Steel with bonded organic facings
		Driven plates	Flat steel
	Forward clutch		4 each drive & driven plates
	Direct clutch		4 each drive & driven plates
	Intermediate clutch		2 each drive & driven plates
	Low & Reverse clutch		4 each drive & driven plates
	Release spring		Radial row steel coil
Torque Multiplication	Drive (maximum)		5.29:1 to 1.00
	Low 2		5.29:1 to 1.52
	Low 1		5.29:1 to 2.52
	Reverse		4.05:1 to 1.93
Governor	Type		Cross-axis centrifugal
	Operation		Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves
Lubricant	Type		A suffix A
	Capacity (pints)	Dry	20
		Refill	5

(a) Floor mounted available as an option, quadrant changes to P-R-N-3-2-1.
(b) Conditions: 450 RPM input at 25 inches Hg. vacuum.

1972
AMA SPECIFICATIONS FORM
. . . Passenger Car

MANUFACTURER	CAR NAME	
Chevrolet Motor Division General Motors Corporation	VEGA 2300	
FILE COPY ONLY	MODEL YEAR 1972	ISSUED September, 1971 REVISED (•)

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

AMA Specifications Form—Passenger Car

TABLE OF CONTENTS

NOTES:

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

AMA Specifications Form—Passenger Car

Page 1

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

BODY MODEL	Body Series, Type and Number. (Use mfgr's. code for identification)	Number of Passengers (Indicate Front/Rear)	
	L-4 Engine Models	Front	Rear
VEGA 2300			
2-Door Sedan	14111	2	2
2-Door Hatchback Coupe	14177	2	2
2-Door Kammback Station Wagon 2-Seat	14115		
2-Door Panel Express	14105	1	-

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

AMA Specifications Form—Passenger Car

Page 2

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

CAR AND BODY DIMENSIONS

See Pages 27, 28 for SAE Dimension Definitions

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

MODEL	SAE Ref. No.	2-Door Sedan	2-Door Coupe	Station Wagon	Panel Delivery
WIDTH					
Track - Front	W101		55.1		
Track - Rear	W102		54.1		
Maximum overall car width	W103		65.4		
Body width at No. 2 pillar	W117		64.6		
Max. front doors open	W120		146.8		
Max. rear doors open	W121		---		
LENGTH					
Body "O" to front of dash	L 30		0.13		
Wheelbase	L101		97.0		
Overall car length	L103		169.7		
Overhang - front	L104		31.5		
Overhang - rear	L105		41.2		
Body upper structure length	L123	91.7	93.7	106.3	
Body "O" line to ℄ of rear wheel	L127		86.0		
Body "O" line to w s cowl point	L130		12.6		
HEIGHT					
Passenger Distribution (front & rear)			2-2		1-0
Trunk Cargo load (lbs.)			200 lb.		
Overall height	H101	51.9	50.0	52.0	
Cowl height	H114		35.4		
Deck height	H138	4.3	3.7	4.4	
Rocker panel - front: To ground / From front wheel ℄	H112		6.5		
Bottom of front door to ground	H133		8.6	8.8	
Rocker panel - rear: To ground / From rear wheel ℄	H111		6.1		
Bottom of rear door to ground	H135		---		
Windshield slope angle	H122	55.0	57.5	55.0	
GROUND CLEARANCE					
Bumper to ground - front	H102		18.3	18.2	
Bumper to ground - rear	H104		18.5	17.8	
Angle of approach	H106		27.1°	26.6°	
Angle of departure	H107		17.5°	17.6°	
Ramp breakover angle	H147		11.2	11.4	
Rear axle differential to ground	H153		6.7		
Min. running clearance (Specify)	H156		4.8		

AMA Specifications Form—Passenger Car

Page 3

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

CAR AND BODY DIMENSIONS

See Pages 27, 29 for SAE Dimension Definitions

MODEL	SAE Ref. No.	2-Door Sedan	2-Door Coupe	Station Wagon	Panel Delivery
FRONT COMPARTMENT					
H Point to body "O" line	L31	42.3			
Effective head room	H61	38.3	37.6	38.3	39.3
Max. eff. leg room – accelerator	L34	42.4	42.8	42.4	42.7
H Point to Heel point	H30	9.3	8.1	9.3	9.1
H Point travel	L17	5.0			
Shoulder room	W 3	51.6			
Hip room	W 5	49.1	49.4	49.1	49.4
Upper body opening to ground	H50	46.7	45.4	46.9	
REAR COMPARTMENT					
H Point couple distance	L50	30.2	28.4	29.9	
Effective head room	H63	37.4	36.6	37.7	
Min. effective leg room	L51	33.2	30.8	31.8	
H Point to Heel point	H31	11.2	9.4	11.2	
Min. knee room	L48	1.8	1.0	1.6	
Rear Compartment room	L 3	23.8	24.3	25.0	
Shoulder room	W 4	49.5			
Hip room	W 6	42.5			
Upper body opening to ground	H51	----			
LUGGAGE COMPARTMENT					
Usable luggage capacity (cu. ft.)	V 1	8.7	9.3*	50.2+	50.2@
Liftover height	H195				
Position of spare tire storage		Flat in recessed area of compartment floor			
Method of holding lid open		Torsion rods			
STATION WAGON – THIRD SEAT					
Shoulder Room	W85				
Hip room	W86	NOT			
Effective leg room	L86				
Effective head room	H86	AVAILABLE			
Seat facing direction					
STATION WAGON – CARGO SPACE					
Cargo length at floor – front seat	L202			67.4	67.4
Cargo length at belt – front seat	L204			60.5	60.5
Cargo width – Wheelhouse	W201			42.6	42.6
Opening width at belt	W204			47.4	47.4
Maximum cargo height	H201			28.9	28.9
Rear opening height	H202			26.1	26.1
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2			50.2	50.2**

* - With rear seat up, 18.9 seat down.

\+ - Rear seat folded.

@ - 68.7 includes front seat floor area.

** - 68.7 includes front seat floor area.

AMA Specifications Form—Passenger Car

Page 4

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

POWER TEAMS

(Indicate whether standard or optional)

Gross bhp (brake horsepower) and gross torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.
Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

MODEL AVAILABILITY	ENGINE							TRANSMISSION	AXLE RATIO ** (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carb.	Compr. Ratio	Gross @ RPM BHP	Gross @ RPM Torque	Net @ RPM BHP	Net @ RPM Torque		Std.	Opt. $	A/C
ALL MODELS	140 L-4 (base)	One; 1-bbl	8.00:1			80 @ 4400	121 @ 24-2800	3-Spd. manual (3.14:1 low)	2.53#	2.92	2.92
								4-Spd. manual* (3.43:1 low)	2.92(a)	3.36	2.92(a)
								2-Spd. automatic*			
								3-Spd. automatic*	2.92	--	3.36
	140 L-4 (L11)*	One 2-bbl	8.00:1			90 @ 4800	121 @ 28-3200	3-Spd. manual (3.14:1 low)	2.92	NA	2.92
								4-Spd. manual* (3.43:1 low)	3.36	NA	3.36
								2-Spd. automatic*			
								3-Spd. automatic*			

* Optional
** Positraction available optionally for all models.
# 2.92 ratio on Panel express
$ Air conditioning not available with optional axles
(a) 3.36 in California with Powerglide

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

AMA Specifications Form—Passenger Car

Page 5

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

ENGINE – GENERAL

Type, no. cyls., valve arr.		In-line 4 overhead camshaft
Bore and stroke (nominal)		3.501 x 3.625
Piston displacement, cu. in.		1.40
Bore spacing (℄ to ℄)		4.00
No. system (front to rear)	L. Bank	1-2-3-4
	R. Bank	In-line
Firing Order		1-3-4-2
Cylinder Head Material		High chrome cast alloy iron
Cylinder Block Material		Die-cast high-silicon aluminum alloy
Cyl. Sleeve-Wet, dry, none		None
Number of mtg. points	Front	Two
	Rear	One
Engine installation angle		
Taxable horsepower $\frac{Dia^2 \times No.\ Cyl.}{2.5}$		19.6
Recommended fuel regular – premium		Regular (unleaded or low lead)
Cylinder Head Volume (cc)		73.50
Head Gasket Thickness (Compressed)		.044
Head Gasket Volume (cc)		7.2578
Deck Clearance (minimum) (above or below block)		.01149 (above)
Minimum Combustion Chamber Volume (cc)		72.0

ENGINE – PISTONS

Material			Cast aluminum alloy
Description and finish			Flat head; iron plated open skirt
Weight (piston only) oz.			19.86
Clearance (limits)	Top land		.0300-.0360
	Skirt	Top	.0018-.0028 (a)
		Bottom	---
Ring groove diameter	No. 1 ring		3.130-3.140
	No. 2 ring		3.130-3.140
	No. 3 ring		3.080-3.090
	No. 4 ring		

(a) Measured 1.50 from top of piston

AMA Specifications Form—Passenger Car

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

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, coating, etc. Upper	Cast alloy iron, barrel face; chrome plated
	Lower	Cast alloy iron, barrel face, inside bevel; chrome flash
	Width	.0775-.0780
	Gap	Upper .015-.025 Lower .009-.019
Oil	Description - material, coating, etc.	Multi-piece (2 rails and 1 spacer expander) Rails-steel, chrome plated OD; expander-stainless steel
	Width	.1870-.1890 (assembled)
	Gap	.010-.030
Expanders		In oil ring assembly

ENGINE – PISTON PINS

Material			Chromium steel
Length			2.740-2.760
Diameter			.9270-.9273
Type	Locked in rod, in piston, floating, etc.		Locked in rod
	Bushing	In rod or piston	None
		Material	None
Clearance	In piston		.00030-.00040
	In rod		
Direction & amount offset in piston			Major thrust side .060

ENGINE – CONNECTING RODS

Material		Drop forged steel
Weight (oz.)		19.2
Length (center to center)		5.695-5.705
Bearing	Material & Type	Steel backed ~~with lining of~~ sintered material (copper lead alloy)
	Overall length	.807
	Clearance (limits)	.0007-.0027
	End play	.0009-.0014

AMA Specifications Form—Passenger Car

Page 7

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

MODEL

ENGINE – CRANKSHAFT

Material			Cast nodular iron
Vibration damper type			Rubber mounted inertia-with optional engine (L11) only
End thrust taken by bearing (No.)			4
Crankshaft end play			.002-.008
Main bearing	Material & type		Steel backed insert; copper lead alloy lining Precision removable
	Clearance		.0003-.0029
	Journal dia. and bearing overall length	No. 1	2.3004 x .752
		No. 2	2.3004 x .752
		No. 3	2.3004 x .752
		No. 4	2.3004 x .752
		No. 5	2.3004 x .760
		No. 6	None
		No. 7	None
	Dir. & amt. cyl. offset		None
	No. bolts/main brg. cap		10 & 5
Crankpin journal diameter			1.999 - 2.000

ENGINE – CAMSHAFT

Location			In cylinder head
Material			Cast alloy iron
Bearings	Material		Steel backed babbitt
	Number		5
Type of Drive	Gear or chain		Fiberglass reinforced timing belt
	Crankshaft gear or sprocket material		Sintered iron sprocket
	Camshaft gear or sprocket material		Sintered iron sprocket
	Timing chain	No. of links	91 teeth
		Width	1.031
		Pitch	.500

AMA Specifications Form—Passenger Car

Page 8

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL			Standard	Option RPO L11
ENGINE – VALVE SYSTEM				
Hydraulic lifters (Std., opt., NA)			NA	
Valve rotator, type (intake, exhaust)			None	
Rocker ratio			None	
Operating tappet clearance (indicate hot or cold)	Intake		.015 (cold) .015 (running)	
	Exhaust		.030 (cold) .016 (running)	
Timing (based on top of ramp points)	Intake	Opens (BTC)	22° (28°)	28°
		Closes (ABC)	58° (70°)	70°
		Duration (deg.)	260° (278°)	278°
	Exhaust	Opens (BBC)	92° (90°)	91°
		Closes (ATC)	48° (55°)	55°
		Duration (deg.)	320° (326°)	326°
	Valve open overlap (deg.)		70° (83°)	83°
Intake	Material		Alloy steel with stellite face	
	Overall length		4.590 - 4.610	
	Actual overall head dia.		1.615 - 1.625	
	Angle of seat & face (deg.)		46° (seat) 45° (face)	
	Seat insert material		None	
	Stem diameter		.3410-.3417	
	Stem to guide clearance		.0010-.0027	
	Lift (zero lash)		.4199 (.4367)	.4367
	Outer spring press. & length	Valve closed (lb. - in.)	71-79@1.746	
		Valve open (lb. in.)	183-197@1.310	
	Inner spring press. & length	Valve closed (lb. in.)	Spring damper	
		Valve open (lb. in.)	Spring damper	
Exhaust	Material		High alloy steel with stellite face, chrome flash stem	
	Overall length		4.576-4.596	
	Actual overall head dia.		1.370-1.380	
	Angle of seat & face(deg.)		46° (seat) 45° (face)	
	Seat insert material		None	
	Stem diameter		.3410-.3417	
	Stem to guide clearance		.0010-.0027	
	Lift (zero lash)		.4302 (.4379)	.4379
	Outer spring press. & length	Valve closed (lb. in.)	71-79@1.746	
		Valve open (lb. in.)	183-197@1.310	
	Inner spring press. & length	Valve closed (lb. in.)	Spring damper	
		Valve open (lb. in.)	Spring damper	

Note: Items bracketed ( ) pertain to data on components used in engines for California only.

AMA Specifications Form—Passenger Car

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

ENGINE – LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Splash
	Timing gear or chain	None
	Cylinder walls	Splash
Oil pump type		Eccentric inside-outside gear; driven by crankshaft
Normal oil pressure (lb. - engine rpm)		40 PSI @ 1000
Oil press. sending unit (elect. or mech.)		Electric
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part., other)		Full flow
Filter replacement (element, complete)		Complete
Capacity of c/case, less filter-refill (qt.)		3
Oil grade recommended (SAE viscosity and temperature range)		20°F and above-20W, 10W-30, 10W-40, 20W-40 0° to 60°F 10W, 5W-30, 10W-30, 10W-40 Below 20°F 5W, 5W-20, 5W-30
Engine Service Reqmt. (MM, MS, etc.)		MS

ENGINE – EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)		Single
Muffler No. & type (reverse flow, straight thru, separate resonator)		One, reverse flow
Exhaust pipe dia. (O.D., wall thick.)	Branch	None
	Main	1.75 x .064
Tail pipe dia. (O.D. & wall thickness)		1.50 x .069

AMA Specifications Form—Passenger Car

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

ENGINE – FUEL SYSTEM

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

Induction type: Carburetor, fuel injection, supercharger.			Carburetor
Fuel Tank	Refill capacity (U.S. gals.)		11 (approximately)
	Filler location		Behind hinged rear license plate
Fuel Pump	Type (elec. or mech.)		Electric
	Locations		Mounted in fuel tank
	Pressure range		3-4 1/2 PSI @ 12.5 Volts
Vacuum booster (std., optional, none)			None
Fuel Filter	Type		Mesh plastic strainer in fuel tank and paper element in
	Locations		Carburetor inlet for 90 HP & sintered bronze element for 110 HP
Carburetor	Choke type		Automatic
	Intake manifold heat control (exhaust or water)		Exhaust
	Air cleaner type	Standard	One piece welded unit containing oil-wetted paper element
		Optional	None
	Idle speed (spec. neutral or drive)	Manual	700 in neutral
		Automatic	700 in drive
		Idle A/F mix.	Not specified

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors Make	Carburetors Model	No. Used and Type	Barrel Size
All Models	140 Std.	Manual	Rochester	7042023 (7042993)	One; 1-bbl	1.44
		Automatic		7042024 (7042994)		
	140 Opt. L11	Manual	Rochester	7042107 (7042827)	One; 2-bbl	1.44
		Automatic		7042106 (7042826)		

NOTE: Items bracketed ( ) are used in engines required for California

AMA Specifications Form—Passenger Car

Page 11

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

MODEL

ENGINE – COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)			Liquid pressurized
Radiator cap relief valve pressure			15± 1 PSI
Circulation thermostat	Type (choke, bypass)		Choke
	Starts to open at (°F)		192° - 198°
Water pump	Type (centrifugal, other)		Centrifugal
	GPM pump rpm		16 GPM @ 2000 engine RPM
	Number of pumps		One
	Drive (V-belt, other)		Multiple 'V' drive in back side of camshaft timing belt
	Bearing type		---
By-pass recirculation type (inter., ext.)			Internal
Radiator core type (cellular, tube and fin, other)			Tube and center; cross flow
Cooling system capacity	With heater (qt.)		6.5
	Without heater (qt.)		5.7
	Opt. equipment-specify (qt.)		-
Water jackets full length of cyl. (yes, no)			Yes
Water all around cylinder (yes, no)			Yes
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.28
	By-pass	Number and type (molded, straight)	None
		Inside diameter	None
Fan	Number of blades & spacing		5 blade, plastic; staggered
	Diameter		14.0
	Ratio-fan to crankshaft rev.		1.165:1
	Fan cutout type		None
	Bearing type		None
*Drive belts (indicate belt used by letter)	Fan		Multiple 'V' drive in back side of camshaft timing belt (A)
	Generator or alternator		B
	Water Pump		A
	Power Steering		C
	Air Conditioning		D
	Air Injection		

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	52° #	←	38°	→		#6 grooves					
Nominal length (SAE)	45.50	36.00	53.25	35.25							
Width	1.031	←	.380	→							

AMA Specifications Form—Passenger Car

Page 12

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

MODEL	L4-140 (standard equipped engines)	L4-140 (California equipped engines)

VEHICLE EMISSION CONTROL * Also used on optional equipped engine L4-140 (L11).

				Engine Modifications	Air Injection*
Exhaust Emission Control	Type (Air injection, engine modifications, other)				Air Injection*
	Air Injection Pump	Type			Semi-articulated vane type
		Displacement			19.3 cubic inch
		Drive ratio			1.15:1
		Drive type			Crankshaft Pulley
		Relief valve (type)			Diverter valve
		Filter (describe)		NOT APPLICABLE	Air cleaner
	Air Injection System	Air distribution (head, manifold, etc.)			Manifold
		Point of entry			Left side cylinder case
		Injection tube i.d.			.67
		Check valve type			Pressure plate type
		Backfire protection (type)			Diverter valve
Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard		Induction system
			Optional		--
	Control Unit	Make and model			AC Spark Plug 6486955
		Location			Front camshaft cover
		Energy source (manifold vacuum, carburetor, other)			Manifold vacuum
		Control method (variable orifice, fixed orifice, other)			Variable orifice
	Complete system	Discharges (to intake manifold, other)			Intake manifold
		Air inlet (breather cap, other)			Carburetor air cleaner
		Flame arrestor (screen, other)			Screen
Evaporative Emission Control	Fuel Tank	Refill Capacity (U.S. gallons)			11 approximately
		Thermal expansion volume (cu. ft.)			.0410
		Pressure relief location (lbs.)			Filler cap, 25-35" of water
		Vacuum relief location (lbs.)			Filler cap, 5-14" of water
		Vapor-liquid separator type			Stand pipe
		Vapor vented to (crankcase, canister, other)			Canister
					--
	Carburetor	Vapor vented to (crankcase, canister, other)			Atmosphere
					--
	Vapor Storage	Storage provision (crankcase, canister, other)			Canister
					--
		Volume (cu. ft.) or capacity (grams)			50-130 grams
		Control valve type			Vacuum diaphragm, controlled Constant orifice

AMA Specifications Form—Passenger Car

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

ELECTRICAL – SUPPLY SYSTEM

Battery	Make and Model		Delco-Remy 1980141 sealed side terminal
	Voltage Rtg. & Total Plates		12 volts-54 plates
	SAE Designation & Amp. Hr. Rtg.		45 amp. hr. @ 20 hr. rate
	Location		Right side front of engine compartment
	Terminal grounded		Negative
Generator or Alternator	Make		Delco-Remy
	Model		1100545
	Type and rating		Diode rectified with integral regulator-32 amps
	Output at engine idle (neutral)		
	Ratio–Gen. to Cr/s rev.		2.73:1
Regulator	Make		Delco-Remy
	Model		
	Type		Micro-circuit unit, integral with generator
	Cutout relay	Closing voltage generator rpm	None
		Reverse current to open	None
	Regulated	Voltage	13.8-14.8@85°F
		Current	--
	Voltage test conditions	Temperature	Operating
		Load	3-8 amperes
		Other	None

ELECTRICAL – STARTING SYSTEM

Starting Motor	Make			Delco Remy
	Model			1108195
	Rotation (drive end view)			Clockwise
Motor control	Switch (solenoid, manual)			Solenoid
	Starting procedure			Manual-Place gearshift lever in neutral, depress clutch Automatic-place gearshift lever, in N or P position Initial Start-press accelerator to floor and release; turn ignition to start, release as soon as engine starts.
Motor Drive	Engagement type			Positive shift solenoid
	Pinion meshes (front, rear)			Rear
	Number of teeth	Pinion		9
		Flywheel	Manual	153
			Auto.	153
	Flywheel tooth face width		Manual	.4010-.4130
			Auto.	.4010-.4130

AMA Specifications Form—Passenger Car

Page 14

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

MODEL	Base Engine		Optional Engine L11	
	Non-California	California only	Non-California	California only

ELECTRICAL – IGNITION SYSTEM – DISTRIBUTOR

Breaker gap (in.)		.019			
Cam angle (deg.)		31-34			
Brkr. arm tension (oz.)		19-23 oz.			
Distributor	Manual	1110492		1110492	
	Automatic	1110492		1110492	1110435
Timing	Manual	6° BTC @ 700		8° BTC @ 700	
	Automatic	6° BTC @ 700	4° BTC @ 700	8° BTC @ 700	

Distributor Model	CENTRIFUGAL ADVANCE Crankshaft Degrees at Engine RPM			VACUUM ADVANCE Crankshaft Deg. at In. of Mercury	
	Start	Intermediate	Max.	Start	Max.
1110435	2200	---	20 @ 4000	7.00	24 @ 15
1110492	1415		24 @ 4000	7.00	24 @ 15

AMA Specifications Form—Passenger Car

Page 15

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

ELECTRICAL – IGNITION SYSTEM

Type	Conventional – Std., Opt., N.A.		Standard
	Transistorized – Std., Opt., N.A.		NA
	Other (specify)		None
Coil	Make		Delco-Remy
	Model		1115428
	Amps	Engine stopped	40
		Engine idling	1.8
Spark Plug	Make		AC Spark Plug
	Model		ACR42TS
	Thread (mm)		14
	Tightening torque (lb. ft.)		25
	Gap		.033-.038
Cable	Conductor type		Linen core impregnated with electrical conducting materi
	Insulation type		Rubber with neoprene jacket
	Spark plug protector		Neoprene

ELECTRICAL – SUPPRESSION

Locations & type	Non-metallic high ignition cables

ELECTRICAL – INSTRUMENTS AND EQUIPMENT

Speedometer	Type	In-line with pointer
	Trip odometer (std. opt., N.A.)	No
Charge indicator – type		Tell-tale
Temperature indicator – type		Tell-tale
Oil pressure indicator – type		Tell-tale
Fuel indicator – type		Electric gauge
Windshield wiper	Type – Standard	Electric 2-speed
	Type – Optional	None
Windshield washer	Type – Standard	Push button-manual
	Type – Optional	None
Horn	Type	Vibrator
	Number used	One
	Amp draw (each)	4.5-6.0 @ 12.5 volts
Other		

AMA Specifications Form—Passenger Car

Page 16

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

DRIVE UNITS – CLUTCH (Manual Transmission)

MODEL		90 HP	110 HP
Make & type		Chevrolet, single dry disc	
Type pressure plate springs		Diaphragm	
Total spring load (lb.)		1350-1450	
No. of clutch driven discs		One	
Clutch facing	Material	Woven type asbestos	
	Outside & inside dia.	8.00 x 6.00	9.12 x 6.12
	Total eff. area (sq.in.)	43.98	71.82
	Thickness	.135	
	Engagement cushioning method	Flat spring steel between facings	
Release bearing	Type & method of lubrication	Single row ball, packed and sealed	
Torsional damping	Methods: springs, friction material	Coil springs	

DRIVE UNITS – TRANSMISSIONS

Manual 3-speed (std., opt. N.A.)	Standard
Manual 4-speed (std., opt. N.A.)	Optional
Automatic (std., opt. N.A.)	Optional

DRIVE UNITS – MANUAL TRANS.

Number of forward speeds		3-Speed	4-Speed
Transmission ratios	In first	3.14	3.43
	In second	1.68	2.16
	In third	1.00	1.37
	In fourth	-	1.00
	In reverse	3.47	3.32
Synchronous meshing, specify gears		All forward gears	
Shift lever location		Floor mounted	
Lubricant	Capacity (pt.)	2.4	3
	Type recommended	Meeting military specs MIL-L-2105B	
	SAE viscosity number — Summer	SAE 80	
	SAE viscosity number — Winter	SAE 80	
	SAE viscosity number — Extreme cold	SAE 80	

AMA Specifications Form—Passenger Car

Page 17

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (a)

DRIVE UNITS – AUTOMATIC TRANSMISSION

MODEL	2-Speed Automatic	3-Speed Automatic
Trade name	Powerglide	Turbo Hydra-matic
Type describe	Torque converter with planetary gears	
Selector location	Floor mounted	
List gear ratios Selector Pattern and indicate which are used in each selector position	P - Park R - 1.82 N - Neutral D - 1.82-1.00 L - 1.82	P - Park R - 1.93 N - Neutral D - 2.52-1.52-1.00 L_2 - 2.52-1.52 L_1 - 2.52
Max. upshift speed–drive range	60 (80 HP engine) 57 (90 HP engine)	1-2 48; 2-3 76
Max. kickdown speed–drive range	55 (80 HP engine) 53 (90 HP engine)	2-1 40; 3-2 75
Torque convertor: Number of elements	3	
Torque convertor: Max. ratio at stall	2.10	
Torque convertor: Type of cooling (air, liquid)	Water	
Torque convertor: Nominal diameter	11.00	11.75
Lubricant: Capacity–refill (pt.)	6	5
Lubricant: Type recommended	A suffix A	
Special transmission features		

DRIVE UNITS – PROPELLER SHAFT

Number used	One	
Type (straight tube, tube-in-tube, internal-external damper, etc.)	Straight tube	
Outer diam. x length* x wall thickness: Manual 3-speed trans.	3.25 x 56.75 x 0.065	
Outer diam. x length* x wall thickness: Manual 4-speed trans.	3.25 x 55.92 x 0.065	
Outer diam. x length* x wall thickness: Overdrive transmission	Not available	
Outer diam. x length* x wall thickness: Automatic transmission	2.75 x 49.56 x 0.065	

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

(Continued)

AMA Specifications Form—Passenger Car

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

DRIVE UNITS – PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		---
Slip Yoke	Type		Yoke
	Number of teeth		27
	Spline O.D.		1.1755-1.1765
Universal joints	Make and Mfg. No.		Chevrolet 1285
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach. (u-bolt, clamp, etc.)		U-bolt
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Pre-pack
Drive taken through (torque tube or arms, springs)			Rear suspension control arms
Torque taken through (torque tube or arms, springs)			Rear suspension control arms

DRIVE UNITS – AXLE

Type (front, rear)			Rear
Description			Semi-floating with hypoid overhung pinion gear
Limited Slip differential, type			Cone clutches
Drive Pinion Offset			1.50 vertical
No. of differential pinions			Two
Pinion adjustment (shim, other)			None
Pinion bearing adj. (shim, other)			Shim
Wheel bearing type			Single roll, cylinderical roller
Lubricant	Capacity (pt.)		2.8
	Type recommended		Meeting Military Specs MIL-L-2105-B
	SAE viscosity number	Summer	SAE 80
		Winter	SAE 80
		Extreme cold	SAE 80

AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		2.53	2.92	3.36
No. of teeth	Pinion	15	13	11
	Ring gear	38	38	37
Ring Gear O.D.			6.50	

AMA Specifications Form—Passenger Car

Page 19

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL	14111	14177, 14105, 14115

DRIVE UNITS — TIRES AND WHEELS (STANDARD)

TIRES	Size, load range, ply		6.00 x 13 (2 ply)	A78 x 13 (2 ply)
	Type (bias, radial, etc.)		Bias non-belted	
	Normal max. load inflation pressure (cold)	Front	24	24
		Rear	24	24 (14177); 28 (14105 & 14115
	Rev. mile @ 45 mph		891	885
WHEELS	Type & material		Short spoke spider; steel	
	Rim (size & flange type)		13 x 5	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	4.00	
		Number & size	4 hex nuts 7/16-20 UNF-2B	
	Spare wheel (same or other)		Same	

DRIVE UNITS — TIRES AND WHEELS (OPTIONAL)

Size, load range, ply		A78 x 13B (2+2)
Type (bias, radial, etc.)		Bias belted
Normal max. load inflation pressure (cold)	Front	Same as above
	Rear	Same as above
Rev. mile @ 45 mph		887
Wheel type & material		---
Rim (size & flange type)		---

DRIVE UNITS — TIRES AND WHEELS (OPTIONAL)

Size, load range, ply		A70 x 13B White letters (GT on F41 Susp.)
Type (bias, radial, etc.)		Bias belted
Normal max. load inflation pressure (cold)	Front	Same as above
	Rear	Same as above
Rev. mile @ 45 mph		887
Wheel type & material		
Rim (size & flange type)		13 x 6

BRAKES — PARKING

Type of control		Grip handle
Location of control		On tunnel between front seats
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	---
	Drum diameter	---
	Lining size (length x width x thickness)	---

AMA Specifications Form—Passenger Car

Page 20

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

BRAKES – SERVICE

Type (drum) or (disc & no. of pistons)					Disc, front; Drum, rear
Self adjusting (std., opt., N.A.)					Standard
Special Valving	Type (proportion, delay, metering, other)				Metering and proportioning
Power brake make & type (remote, int., etc.)		Std.			Not available
		Opt.			Not available
Effective area (sq. in.) *					67.2
Gross lining area (sq. in.) **					67.2
Swept area (sq. in.) ***					228.4
Effectiveness		Front			
		Recr			
Drum	Diameter (nominal)	Front			---
		Rear			9.0
	Type and material				Composite, cast iron rim and steel web
Rotor	Outer working diameter				9.88
	Inner working diameter				6.40
	Thickness				0.50
	Material & type (vented/solid)				Cast iron-solid, integral with hub
Wheel cylinder bore	Front				1.875
	Rear				0.75
Master Cylinder	Bore				0.75
	Stroke				1.12
Pedal arc ratio					6.70
Line pressure at 100 lb. pedal load					1270
Shoe Clearance	Front				Self-adjusting
	Rear				Self-adjusting
Anti-skid device type (std., opt., N.A.)					Not available
Brake lining	Bonded or riveted				Bonded
	Front Wheel	Material			Molded asbestos
		Size (length x width x thickness)	Prim. or outboard		3.64 x 1.60 x 0.376
			Second. or inboard		---
					3.64 x 1.60 x 0.376

		Segments per shoe			One
	Rear Wheel	Material			Molded asbestos
		Size (length x width x thickness)	Prim. or outboard		9.58 x 1.18 x 0.18
			Second. or inboard		---
					9.58 x 1.18 x 0.18

		Segments per shoe			One

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

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

AMA Specifications Form—Passenger Car

Page 21

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

MODEL

STEERING

Manual (std., opt., NA)				Standard
Power (std., opt., NA)				Optional
Adjustable steering wheel (tilt, swing, other)		Type and description		Not available
		(std., opt., NA)		- -
Wheel diameter		Manual		15.25 x 14.75
		Power		15.25 x 14.75
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)		34.7
		Curb to curb (l. & r.)		33.0
	Inside rear	Wall to wall (l. & r.)		--
		Curb to curb (l. & r.)		--
Manual	Gear	Type		Semi-reversible, recirculating anti-friction bearings
		Make		Saginaw Steering
		Ratios	Gear	20.9:1
			Overall	22.5:1
	No. wheel turns (stop to stop)			4.4
Power	Type (coaxial, linkage, etc.)			Integral with vane type pump
	Make			Saginaw Steering
	Gear	Type		Same as manual
		Ratios	Gear	16.0:1-13.0:1
			Overall	16.6:1
	Pump driven by			Belt from crankshaft pulley
	No. wheel turns (stop to stop)			3.25
Linkage	Type			Parallelogram
	Location (front or rear of wheels, other)			Front
	Drag link (trans. or longit.)			Transverse
	Tie rods (one or two)			Two
Steering Axis	Inclination at camber (deg.)			8.55
	Bearings (type)	Upper		Sintered steel spherical
		Lower		Sintered steel spherical
		Thrust		None
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)			-3/4 ± 1
	Camber (deg.)			+1/4 ± 1
	Toe-in (outside track inches)			3/16 to 5/16
Steering spindle & joint type				Spherical joint steering knuckle pivots
Wheel Spindle	Diameter	Inner bearing		1.25
		Outer bearing		0.687
	Thread size			3/4-20 NEF-3 (modified)
	Bearing type			Taper roller

AMA Specifications Form—Passenger Car

Page 22

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (•)

MODEL

SUSPENSION – GENERAL

(See Supplement page for details on Air Suspension)

Provision for car leveling		None
Provision for brake dip control		Front suspension geometry
Provision for acc. squat control		Rear suspension geometry
Special provisions for car jacking		Position jack in bumper notch on lower face of front and rear bumper
Shock absorber front & rear	Type	Direct, double acting hydraulic
	Make	Delco Products
	Piston dia.	1.00
Other special features		---

SUSPENSION – FRONT

Type and description		Independent, SLA type, coil springs with center mounted shock absorbers, spherical joint steering knuckle pivots
Spring	Type	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	8.7 x 3.50; 91.01 x 0.548
	Spring rate (lb. per in.)	325
	Rate at wheel (lb. per in.)	122
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel - 0.875

SUSPENSION – REAR

Type and description			Salisbury rear axle with coil springs
Drive and torque taken through			Control arms
Spring	Type		Coil
	Material		Chrome carbon steel heat treated
	Size (length x width, coil design height & I.D., bar length & dia.)		10.24 x 4.24; 107.06 x 0.499
	Spring rate (lb. per in.)		130
	Rate at wheel (lb. per in.)		156
	Mounting insulation type		Rubber pad - top and bottom
	If leaf	No. of leaves	---
		Shackle (comp. or tens.)	---
Stabilizer (option)	Type (link, linkless, frameless)		Linkless
	Material & bar diameter		0.75
Track bar type			None

AMA Specifications Form—Passenger Car

Page 23

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

MODEL

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	Integral Body-Frame

BODY – MISCELLANEOUS INFORMATION		Sedan	Coupe	Station Wagon	Panel Delivery
Drs. hinged (front, rr.)	Front doors	Front			
	Rear doors	None			
Type of finish (lacquer, enamel, other)		Acrylic, Lacquer			
Hood counterbalanced (yes, no)		No			
Hood release control (internal, external)		Internal			
Vehicle Indent. No. location		Top left hand of instrument panel pad.			
Engine No. location		Pad; upper left hand corner on right side of cylinder case opposite number three cylinder.			
Theft protection - type		Lock, mounted on steering column; locks steering wheel, transmission shift levers and ignition			
Vent window control method (crank, friction pivot)	Front	None			
	Rear	--			
Seat cushion type	Front	Formed wire and Full foam construction			
	Rear	Formed wire and Full foam construction			
	3rd seat	---			
Seat back type	Front	Formed wire and Full foam construction			
	Rear	Formed wire and Full foam construction			
	3rd seat	---			
Windshield glass type (i.e., single curved - laminated plate)		Curved-laminated plate			
Side glass type (i.e., curved - tempered plate)		Curved-tempered plate			
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved-tempered plate			
Windshield glass exposed surface area		1116.2	1143.9	1116.2	1116.2
Side glass exposed surface area		1545.4	1334.4	2062.0	956.4
Backlight glass exposed surface area		973.8	1071.3	662.5	662.5
Total glass exposed surface area		3635.4	3549.6	3840.7	2735.1

AMA Specifications Form—Passenger Car

Page 24

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (*)

MODEL

CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side windows	Not available
	Vent windows	Not available
	Backlight or tailgate	Not available
Power seats (specify type as well as availability)		Not available
Reclining front seat back (R-L or both)		Not available
Front seat head restrainer (R-L or both)		Integral with head seats
Radios (specify type as well as availability)		Optional - Pushbutton AM Optional - Pushbutton AM/FM
Rear seat speaker		Optional (except panel delivery)
Power antenna		Not available
Clock		Optional
Air conditioner (specify type and availability)		Optional - Four Season
Speed warning device		Not available
Speed control device		Not available
Ignition lock lamp		Not available
Dome lamp		Standard
Glove compartment lamp		Not available
Luggage compartment lamp		Not available
Underhood lamp		Not available
Courtesy lamp		Not available
Map lamp		Not available
Auto. trans. quad. lamp		Standard
Cornering light lamp		Not available
Rear window defroster electrically heated		Optional
Rear window defogger		Not available
Windshield Antenna		Available with factory installed radio
Tinted Body Glass		Optional
Swing Out Rear Qtr. Window		Optional with coupe and sedan only
Auxiliary Seat		Optional with panel delivery

LAMP HEIGHT AND SPACING

			2-Door Sedan	2-Door Coupe	Station Wagon	Panel Delivery
Height above ground to center of bulb or marker	Headlamp (H125)	Highest *	29.45			
		Lowest	22.85			
	Tail (H126)	Highest	21.		30.45	
		Lowest	18.25		22.35	
	Sidemarker	Front				
		Rear				
Distance from C L of car to center of bulb	Headlamp	Inside				
		Outside *				
	Tail	Inside				
		Outside				
	Directional	Front				
		Rear				

* If single headlamps are used enter here.

AMA Specifications Form—Passenger Car

Page 25

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED(•) ____

VEHICLE WEIGHTS

Model	CURB WEIGHT* (Pounds)			% PASS. WEIGHT DISTRIBUTION				SHIPPING WEIGHT** (Pounds)
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	TOTAL
2-Door Sedan 14111	1192	1021	2213	44.6	55.4	14.6	85.4	2158
2-Door Coupe 14177	1219	1130	2349	44.6	55.4	16.0	84.0	2294
2-Door Station Wgn. 14115	1232	1156	2388	44.6	55.4	14.6	85.4	2333
2-Door Panel Del. 14105	1183	1056	2239	44.6	55.4	---	---	2184

*Reference – SAE Aerospace-Automotive drawing standards, Section E, 102 (d)

**Shipping weight definition – weight of basic vehicle with regular equipment, includes grease, oil and (3) gallons of gasoline, and engine coolant to capacity.

AMA Specifications Form—Passenger Car

Page 26

MAKE OF CAR VEGA 2300 MODEL YEAR 1972 DATE ISSUED 9/71 REVISED (e)

OPTIONAL EQUIPMENT WEIGHTS

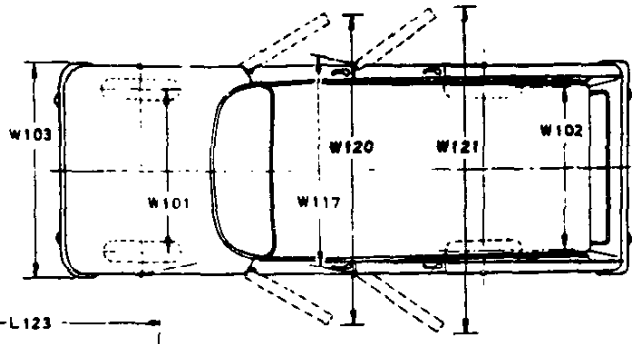
Equipment Differential Weights	WEIGHT (Pounds) Front	Rear	Total	Remarks
Air Conditioning	+80	+ 7	+87	
Auxiliary seat 14105	+16	+23	+39	
Spec. Perf. Frt. & RrSusp	+12	+ 8	+20	
Power Steering	+36	+ 1	+37	
Radio AM Push button	+ 5	+ 1	+ 6	
Radio AM/FM push button	+ 6	+ 2	+ 8	
Deluxe Interior & Exterior	- 5	- 3	- 8	
Custom Interior	+13	+35	+48	with 2-Door Sedan
	+ 4	+ 5	+ 9	with coupe & wagon
Deluxe Coupe-GT	+ 3	+ 5	+ 8	
Wheel Trim Ring	+ 3	+ 3	+ 6	
4-Speed Transmission	+ 2	+ 1	+ 3	
Powerglide Transmission	+40	+ 8	+48	
Turbo Hydra-matic	+66	+22	+88	

AMA Specifications Form—Passenger Car

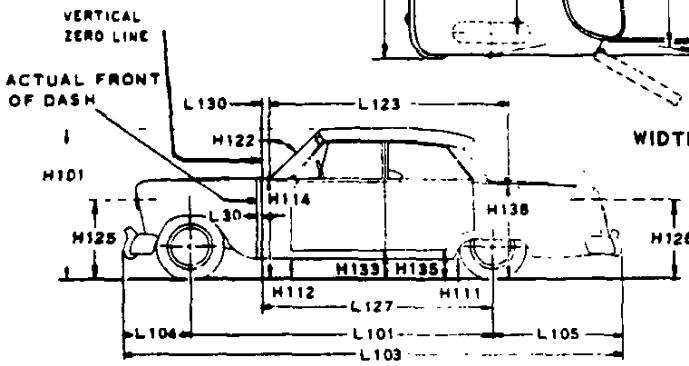
CAR AND BODY DIMENSIONS

KEY SHEET

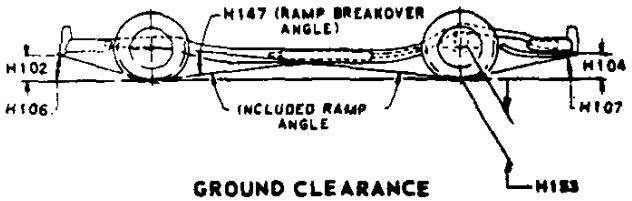
EXTERIOR CAR AND BODY DIMENSIONS



WIDTH

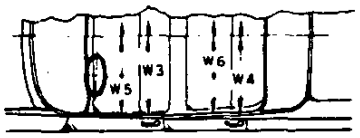


LENGTH & HEIGHT

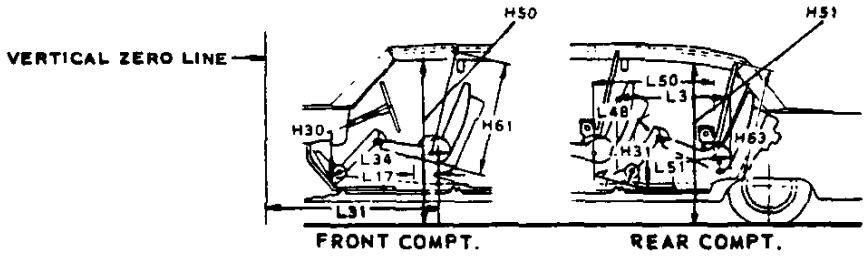


GROUND CLEARANCE

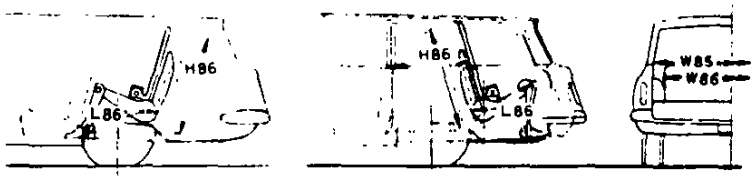
INTERIOR CAR AND BODY DIMENSIONS



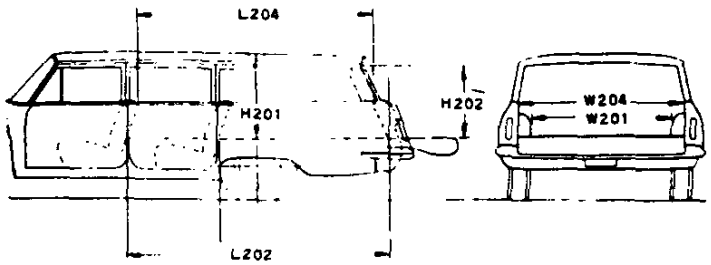
WIDTH



FRONT COMPT. REAR COMPT.



THIRD SEAT



CARGO SPACE

AMA Specifications Form—Passenger Car

EXTERIOR CAR AND BODY DIMENSIONS
KEY SHEET
DIMENSION DEFINITIONS

WIDTH DIMENSIONS.

W101 WHEEL TREAD – FRONT. Measured at centerline of tires, with nominal camber, at ground.

W102 WHEEL TREAD – REAR. Measured at centerline of tires at ground.

W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.

W117 MAXIMUM BODY WIDTH AT #2 PILLAR. Measured across body at #2 pillar, excluding hardware and applied moldings.

W120 MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN is measured to outside of sheet metal with front doors in maximum hold-open position.

W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN is measured in same manner as W120.

LENGTH DIMENSIONS.

L30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (–) sign.

L101 WHEELBASE.

L103 OVERALL LENGTH. Include bumper guards if standard equipment.

L104 OVERHANG – FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.

L105 OVERHANG – REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.

L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.

L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.

L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

HEIGHT DIMENSIONS

H101 OVERALL HEIGHT – DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.

H114 COWL POINT TO GROUND. Measured at vehicle centerline.

H138 DECK POINT TO GROUND. Measured at vehicle centerline.

H112 ROCKER PANEL TO GROUND – FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.

H133 BOTTOM OF DOOR TO GROUND, CLOSED – FRONT is the same point on the door as H132 dimension, with door closed.

H111 ROCKER PANEL TO GROUND – REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.

H135 BOTTOM OF DOOR TO GROUND, CLOSED – REAR is measured in same manner as H133.

H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.

H125 HEADLAMP CENTERLINE TO GROUND is measured vertically to the center of the upper lamp.

H126 TAILLAMP CENTERLINE is measured vertically from ground to the centerline of the upper bulb.

GROUND CLEARANCE DIMENSIONS

H102 BUMPER TO GROUND – FRONT. Minimum dimension, includes bumper guards.

H104 BUMPER TO GROUND – REAR. Minimum dimension, includes bumper guards.

H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.

H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.

H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.

H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND is a minimum clearance.

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

AMA Specifications Form—Passenger Car

INTERIOR CAR AND BODY DIMENSIONS
KEY SHEET
DIMENSION DEFINITIONS

FRONT COMPARTMENT DIMENSIONS

L31 H POINT TO VERTICAL ZERO LINE – FRONT is a horizontal dimension.

H61 EFFECTIVE HEAD ROOM – FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.

L34 MAXIMUM EFFECTIVE LEG ROOM–ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 87° and the shoe touching the pedal.

H30 H POINT TO HEEL POINT – FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.

L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.

W3 SHOULDER ROOM – FRONT. The minimum lateral dimensions between the door garnish moldings or nearest interference, measured at the H Point station.

W5 HIP ROOM – FRONT. The lateral dimension through the H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction if such construction exists.

H50 UPPER BODY OPENING TO GROUND – FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.

REAR COMPARTMENT DIMENSIONS

L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.

H63 EFFECTIVE HEAD ROOM – REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° to rear of vertical.

L51 MINIMUM EFFECTIVE LEG ROOM – REAR. Measured along a diagonal line from the ankle pivot center to the H Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.

H31 H POINT TO HEEL POINT – REAR. The vertical dimension from the H Point to the Manikin Heel Point on the depressed floor covering.

L48 MINIMUM KNEE ROOM – REAR. The minimum dimension from the Manikin knee pivot center to the back of the front seat back.

L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.

W4 SHOULDER ROOM – REAR. The minimum lateral dimension between the door garnish molding or nearest interference. Measured at H Point station.

W6 HIP ROOM – REAR. The lateral dimension through H Point to trimmed body surfaces. Depress loose side wall cloth to trim foundation or other obstruction when such construction exists.

H51 UPPER BODY OPENING TO GROUND – REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

LUGGAGE COMPARTMENT DIMENSIONS

V1 LUGGAGE CAPACITY – USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.

H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

STATION WAGON – THIRD SEAT DIMENSIONS

W85 SHOULDER ROOM – THIRD SEAT. The minimum lateral dimension between the door garnish moldings or nearest interference. Measured at H Point station.

W86 HIP ROOM – THIRD SEAT. The lateral dimension through H Point to trimmed surfaces.

L86 EFFECTIVE LEG ROOM – THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.

H86 EFFECTIVE HEAD ROOM – THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° to rear of vertical.

STATION WAGON – CARGO SPACE DIMENSIONS

L202 CARGO LENGTH AT FLOOR – FRONT SEAT. The horizontal dimension, measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.

L204 CARGO LENGTH AT BELT – FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.

W201 CARGO WIDTH – WHEELHOUSE. The minimum horizontal dimension, measured between wheelhousings at floor level.

W204 OPENING WIDTH AT BELT. The minimum horizontal dimension, measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.

H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension, measured from the top of the floor covering to the headlining, on the car centerline.

H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and liftgates fully open.

V2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

$$\frac{W4 \times L204 \times H201}{1728}$$

AMA Specifications Form—Passenger Car

Page 30

INDEX