



AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, F.I.A., INC.

433 MAIN ST.
STAMFORD, CONN. 06901
(203) 348-6233

FIA NO. 5368

GROUP 1

Federation Internationale de l'Automobile
FORM OF RECOGNITION

In accordance with Appendix "J" of the International Sporting Code

Cylinder capacity cm3 140 in3

Manufacturer Chevrolet Motor Div. - GMC Model Vega 2300 - 14111 Sedan

Serial # Chassis 14111 1U 100001 Manufacturer Chevrolet

Serial # Engine CHA 100001 Manufacturer Chevrolet

Recognition valid from October 1st List 70/10

The manufacturing of the model described in this recognition form was started on June 26, 1970 and the minimum production of 5000 + identical cars, in accordance with the specifications of this form, was reached on September 1, 19 70.

(**) only need to be answered for Group IV cars.

A 3/4 Front View Car **



The vehicle described in this form has been subject to the following amendments:

Variants

on 19 rec # list
on 19 rec # list
on 19 rec # list

Normal evolution of the type

on 19 rec # list
on 19 rec # list
on 19 rec # list

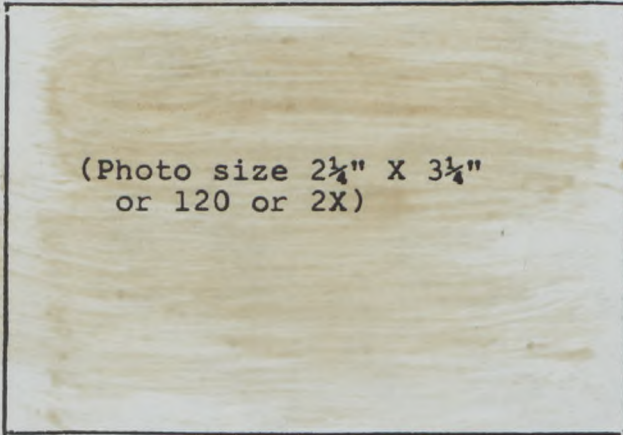
Stamp/Signature of
National Sporting Authority

John L. Cleary

Stamp/Signature
F.I.A.

[Signature]

B 3/4 rear car (**)

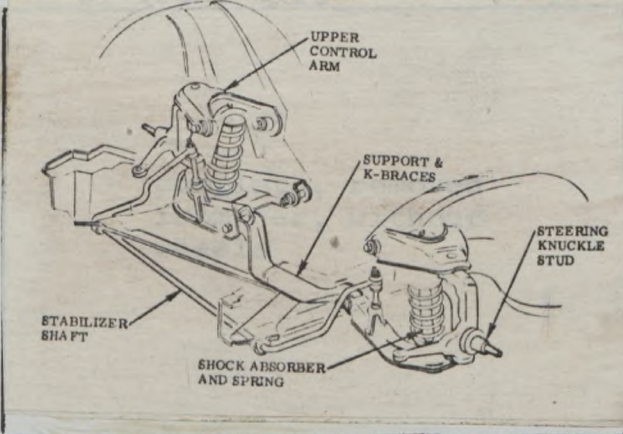


(Photo size 2 1/4" X 3 1/4" or 120 or 2X)

C interior-car (**)



D front axle (**)



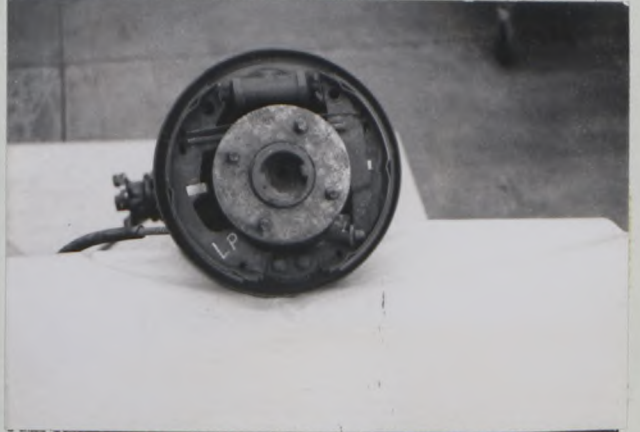
E rear axle (**)



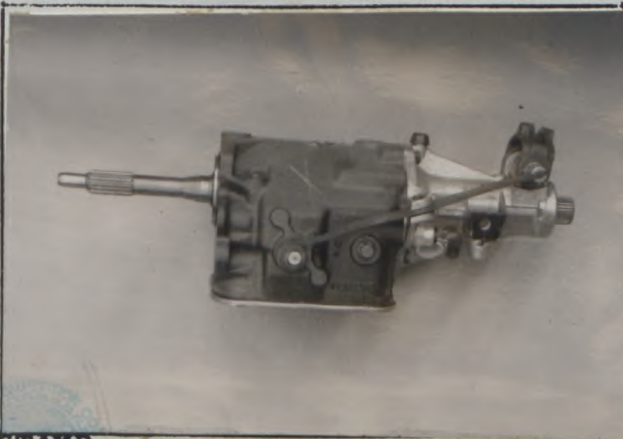
F brake, front (**)



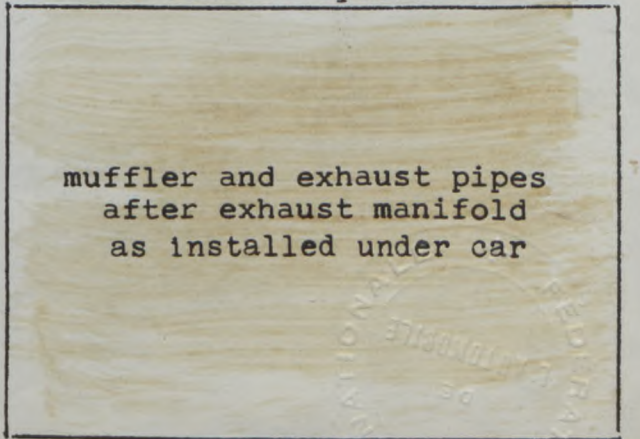
G brake, rear (**)



H gear box (**)



I exhaust system ()

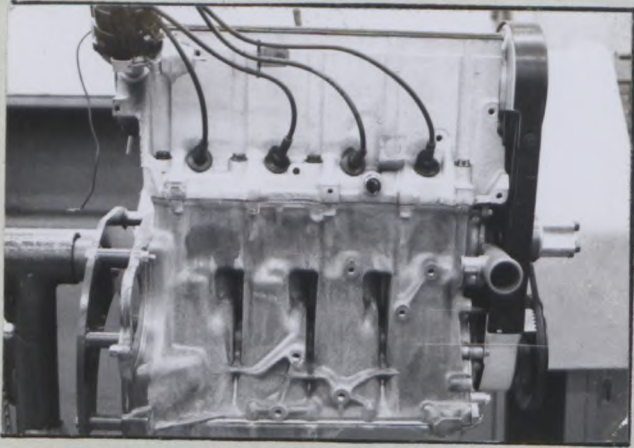


muffler and exhaust pipes after exhaust manifold as installed under car

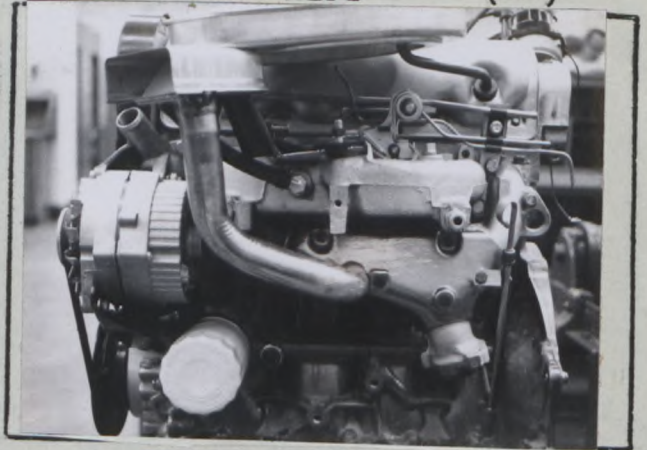


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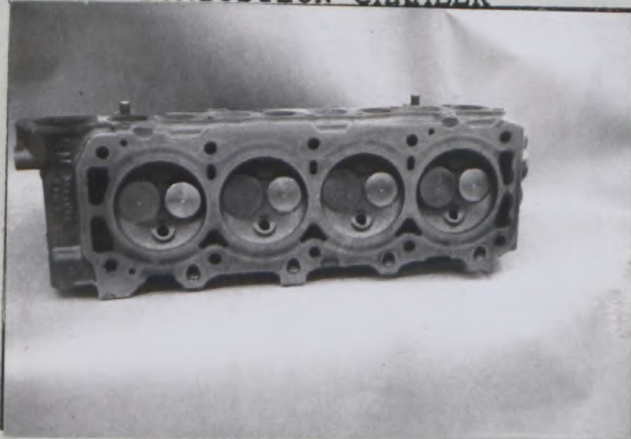
J ENGINE RIGHT (**)



K ENGINE LEFT (**)



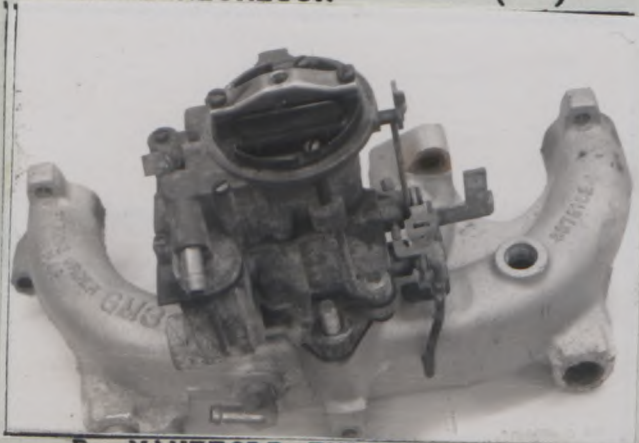
L COMBUSTION CHAMBER



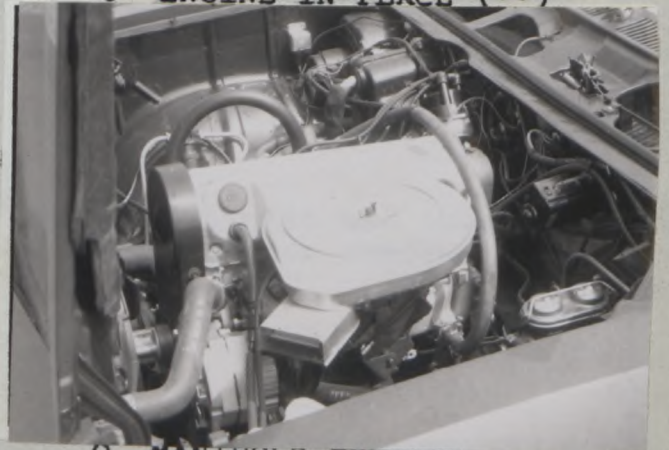
M PISTON TOP ()



N CARBURETOR ()



O ENGINE IN PLACE (**)



P MANIFOLD INLET



Q MANIFOLD EXHAUST



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ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES.

Inlet

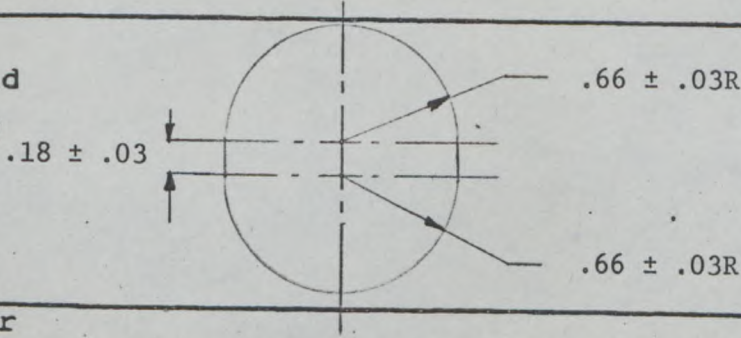
Manifold

Porting

Cyl.

Head

Face



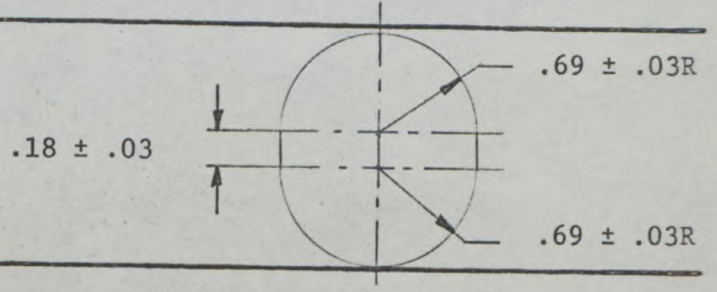
Cylinder

Head

Porting

Inlet

Face



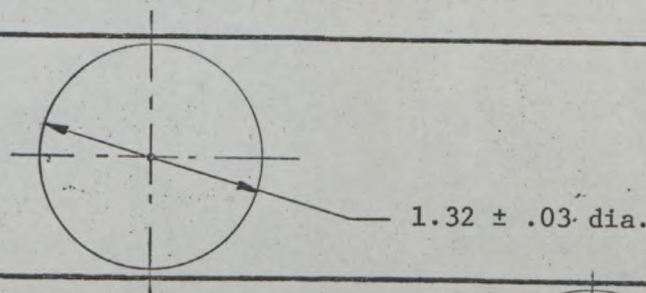
Exhaust

Manifold

Porting

Cyl. Head

Face



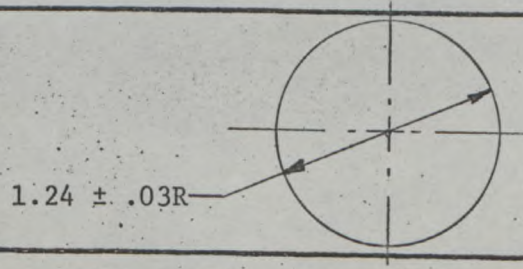
Cylinder

Head

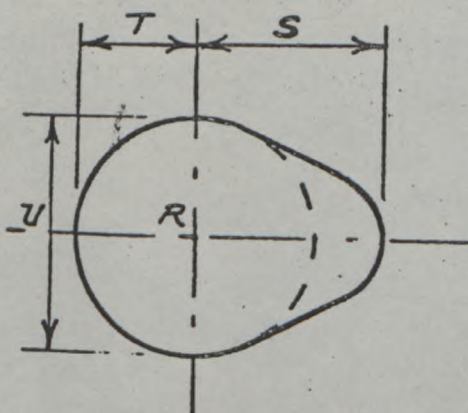
Porting

Exhaust

Face



CAM



Inlet cam

S=	_____ mm	1.071	in
T=	_____ mm	.652	in
U=	_____ mm	1.304	in

Exhaust cam

S=	_____ mm	1.082	in
T=	_____ mm	.652	in
U=	_____ mm	1.324	in

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MAKE Chevrolet - Vega 2300 MODEL 14111 FIA REC # 5368

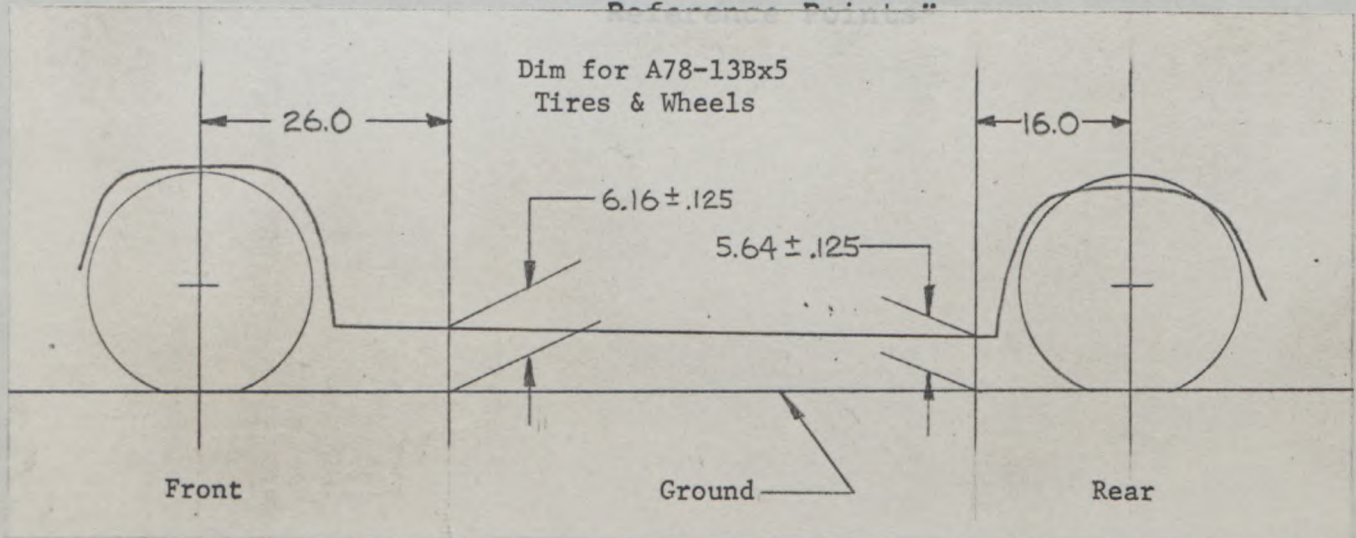
IMPORTANT: Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system.
See conversion table at index.

CAPACITIES & DIMENSIONS

- (**) 1. Wheelbase 2463.8 mm 97.0 in
 - (**) 2. Front track 1387 mm 54.6 in +
 - (**) 3. Rear track 1374 mm 54.1 in +
- + Differences in track resulting from use of optional wheel and rim sizes must be stipulated on recognition application forms.

Dimensional relationship between track (front and/or rear) and ground clearance resulting from use of optional wheel sizes shall also be stipulated and a sketch illustrating suspension reference points shall be shown below to establish the "reference chassis height." The reference chassis height dimension is to be used only when checking track and shall not affect eligibility of car in any manner.

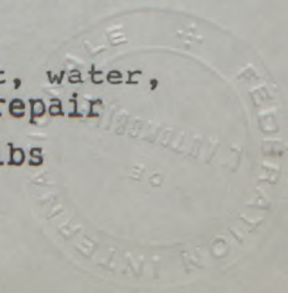
Sketch, Ground Clearance: Dimensional Suspension & Chassis Reference Points



- 4. Overall length of car 431.04 cm 169.7 in
- 5. Overall width of car 166.12 cm 65.4 in
- 6. Overall height of car 130.05 cm 51.2 in
- 7. Capacity of fuel tank (reserve included) 41.64 ltrs.
11 gallons US gallons, Imp.
- 8. Seating capacity 4
- (**) 9. Weight - total weight of car with normal equipment, water, oil and spare wheel but without fuel or repair tools. 955.6 kg 2107 lbs



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CHASSIS & BODYWORK - Photos A, B, C

- (**) 20. Chassis/body construction - separate/unit construction
(**) 21. Unit construction - material/s steel
(**) 22. Chassis - material/s steel separate construction
(**) 23. Body - material/s steel separate construction
(**) 24. Doors - number 2 material/s steel
(**) 25. Hood - material/s steel
(**) 26. Trunk Lid - material/s steel
27. Window, Rear - material/s glass - tempered plate
28. Windshield - material/s glass - laminated
29. Windows, front door - material/s glass - tempered plate
30. Windows, rear door - material/s none
31. Windows - actuating system sector gear and linkage
32. Window, rear quarter - material/s glass

ACCESSORIES AND UPHOLSTERY

38. Heating, interior - yes no optional
39. Air conditioning - yes no optional
40. Ventilation - yes no
() 41. Seats, front - type of seat and upholstery vinyl
42. Seats, front - weight
(complete with supports & rails out of car) — kg 78.5 lbs
CHECK: BENCH _____ BUCKET X CONSOLE INCLUDED _____
43. Seats, rear - type of seat and upholstery bench - vinyl
44. Bumper, front - material/s steel kg — lbs 8.0 Weight
45. Bumper, rear - material/s steel kg — lbs 8.82 Weight

WHEELS

50. Type pressed steel
51. Weight (per wheel, without tire) kg 14.35 lbs
52. Method of attachment 4 studs 4" dia. bolt circle
53. Rim, diameter — mm 13 in
54. Rim, width — mm 5 in

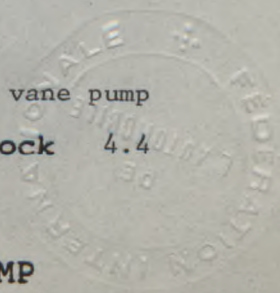
STEERING

60. Type Recirculating ball - worm and sector
61. Servo assistance Optional - hydraulic - engine driven vane pump
62. Number of turns of steering wheel from lock to lock 4.4
63. In case of servo assistance 3.25

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SUSPENSION

- (**) 70. Suspension, front (photo D) - ~~type~~ unequal length upper & lower control arms
- (**) 71. Spring - type coil
- () 72. Stabilizer - if fitted none
73. Shock absorbers - number one per wheel
74. Type tubular - direct acting
- (**) 78. Suspension, rear (photo E) - ~~type~~ Salisbury axle with coil springs & control arms
- (**) 79. Spring - type coil
- () 80. Stabilizer - if fitted none
81. Shock absorbers - number one per wheel
82. Type tubular - direct acting

BRAKES (Photos E and F)

- (**) 90. Method of operation hydraulic
- () 91. Power assisted (if fitted) - ~~type~~ not available
92. Master Cylinders - number and ~~type~~ one - dual system
(indicate if duplex master cylinder) Front Rear
93. Cylinders - number per wheel 1 1
94. Cylinders - wheel bore — mm 1.875 in — mm .75 in
(indicate stepped bore dimensions if applicable)

Drum Brakes

- | | <u>Front</u> | <u>Rear</u> |
|------------------------------|-------------------------------------|---|
| 95. Diameter, inside | — mm — in | — mm 9.0 in |
| 96. Linings, length | — mm — in | — mm 9.58 in |
| 97. Linings, width | — mm — in | — mm 1.18 in |
| 98. Shoes - number per brake | | 2 |
| 99. Area, total - per brake | — mm ² — in ² | — mm ² 246.6 in ² |

Disc Brakes

- | | | |
|------------------------------|---------------------------------------|-------------------------------------|
| 100. Diameter, outside | — mm 9.64 in | — mm — in |
| 101. Thickness of disc | — mm .50 in | — mm — in |
| 102. Lining - length | — mm 3.64 in | — mm — in |
| 103. Lining - width | — mm 1.60 in | — mm — in |
| 104. Pads - number per brake | 2 | |
| 105. Area, total - per brake | — mm ² 1.8 in ² | — mm ² — in ² |

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ENGINE (Photos J and K)

- (**) 130. Cycle two X four Wankel
- (**) 131. Cylinders - number four (4)
- (**) 132. Cylinders - arrangement in-line Wankel - # of elements and basic dimensions *
- (**) 133. Bore — mm 3.501 in
- (**) 134. Stroke — mm 3.625 in
- (**) 135. Cylinders - capacity — cm³ 35 in³
- (**) 136. Cylinders, total capacity — cm³ 140 in³
- (**) 137. Cylinder Block - material/s aluminum alloy
- (**) 138. Sleeves - material/s (if fitted) none
- (**) 139. Head, cylinder - material/s cast iron number fitted one (1)
- (**) 140. Port, inlet - number four (4)
- (**) 141. Port, exhaust - number four (4)
- () 142. Compression - ratio 8.00:1 (Nominal)
- () 143. Combustion chamber - volume 70.0 cm³ — in³
min.
- () 144. Piston - material/s aluminum
- () 145. Rings - number three (3)
- () 146. Distance from gudgeon pin centre line to highest point of piston crown — mm $\frac{1.502}{1.498}$ in
- (**) 147. Crankshaft - cast-forged-mach from solid cast nodular iron
- (**) 148. Crankshaft - type - integral - sectioned - # of sections
- (**) 149. Crankshaft, main bearings - number five (5)
- (**) 150. Bearing cap - material/s cast iron
151. Lubrication - system - dry sump/oil in sump
152. Lubricant - capacity — ltrs — pts_{four} (4) qts US
- () 153. Cooler, oil - yes no
154. Cooling - method water
155. Cooling - capacity of system — ltrs — pts 8.5 qts US



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- () 156. Fan, cooling (if fitted) - diameter — cm 14.0 in
() 157. Fan, cooling - number of blades 5 material/s plastic

BEARINGS

- (**) 158. Crankshaft, main - type diameter — mm 2.3004 in
(**) 159. Connecting rod, big end - type insert diameter — mm 1.9995 in

WEIGHTS

- () 160. Flywheel (clean) — kg 28.7 lbs
() 161. Flywheel with clutch (all rotating parts) — kg 38.44 lbs
() 162. Crankshaft — kg 39.112 lbs
163. Connecting Rod — kg 1.809 lbs
() 164. Piston with rings & pin — kg 1.229 lbs

FOUR CYCLE ENGINES

- (**) 170. Camshafts - number one (1) material/s cast iron
(**) 171. Camshaft - location cylinder head
(**) 172. Camshaft Drive, type fiberglass reinforced timing belt
(**) 173. Valve operation - type direct

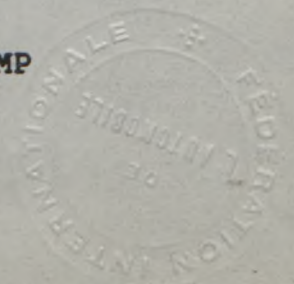
INLET (See Photo P) (for addtl info re 2 stroke engines and super charged, see page 15)

180. Inlet manifold - materials cast iron
181. Valves (overall) - diameter — mm 1.625 in
() 182. Valve lift - maximum — mm .4199 in
183. Springs, valve - number two (2)
184. Spring - type coil and damper
(**) 185. Valves, per cylinder - number one (1)
() 186. Tappet - clearance for checking timing (cold) — mm .015 in
() 187. Valves - open at (with tolerance for tappet clearance indicated) 22° BTC
() 188. Valves - close at (with tolerance for tappet clearance indicated) 58° ABC
() 189. Air filter - type Paper

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EXHAUST (See Photo Q)

195. Manifold, exhaust - material/s cast iron
196. Valves (overall) - diameter mm 1.380 in
197. Valve, lift - maximum mm .4302 in
198. Valve Springs/valve - number two (2)
199. Springs - type coil and damper
- (**) 200. Valves - number per cylinder one (1)
- () 201. Tappet - clearance for checking timing (cold)
mm .030 in
- () 202. Valves - open at (with tolerance for tappet 92° BBC
clearance indicated)
- () 203. Valves - close at (with tolerance for tappet 48° ATC
clearance indicated)

CARBURETION (See Photo N)

210. Carburetors, fitted - number one (1)
211. Type downdraft
- () 212. Make Rochester
- () 213. Model 7041023
214. Carburetors - number of mixture passages one (1)
- () 215. Carburetor - flange hole diameter of exit port
mm 1.44 in
216. Venturi - throat diameter+ mm 1 7/32 in

INJECTION (NOT APPLICABLE)

220. Pump - make
221. Plungers - number
- () 222. Pump - model
223. Injectors - location
224. Injectors - total number
- () 225. Inlet pipe - minimum diameter mm in

+ For variable throat type carburetors, indicate minimum lift of shutter mechanism such as pistons in S.U.

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ENGINE ACCESSORIES

- () 230. Pump, fuel - mechanical and/or electrical
231. Number fitted one (1)
232. Ignition system - type coil
233. Distributors - number one (1)
234. Coils, ignition - number one (1)
235. Spark plugs - number per cylinder one (1)
236. Generator (or Alternator) - number fitted one (1)
237. Drive - method belt and pulley
238. Voltage, generator - volts 12 V.D.C.
239. Battery - number one (1)
240. Location under hood
241. Voltage - volts 12 amp hrs 45

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- () 250. Horsepower - maximum engine output 90 at 4800 rpm
(indicate SAE or DIN)
- () 251. RPM - maximum N.A. output at that figure
- () 252. Torque - maximum 136 at 2400 rpm
- () 253. Speed - maximum N.A. km/hour N.A. miles/hour

DRIVE TRAIN

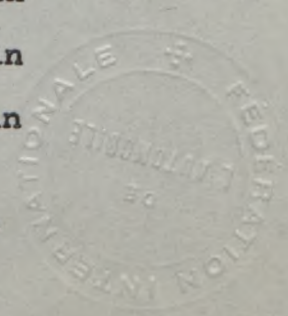
Clutch

260. Type dry disc
261. Plates - number of driven one (1)
262. Plates - diameter — cm 9.12 in
263. Linings - diameter - inside — cm 6.12 in
- Linings - diameter - outside — cm 9.12 in
264. Method of operation mechanical

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MAKE Chevrolet - Vega 2300MODEL 14111

FIA REC #

5358Gear Box (Photo H)

- (**) 270. Manual type - make Chevrolet
- (**) 271. Ratios, forward - number Three (3)
272. Ratios, forward - number synchronized Three (3)
273. Gear-Shift - location floor optional
- (**) 274. Automatic - make Chevrolet type Powerglide
- (**) 275. Ratios, forward - number Two (2)
276. Gear-Shift - location Floor

277.	Manual		Automatic *		Alternative manual/automatic			
	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	3.24	$\frac{25 \times 33}{17 \ 15}$	4.18-1.82		3.43	$\frac{23 \times 31}{16 \ 13}$	4.73-	1.82
2	1.68	$\frac{25 \times 24}{17 \ 21}$	2.30-1.00		2.16	$\frac{23 \times 24}{16 \ 16}$	2.60-	1.00
3	1.00				1.37	$\frac{23 \times 19}{16 \ 20}$		
4					1.00			
5								
6								
reverse	3.34	$\frac{25 \times 19 \times 30}{17 \ 13 \ 19}$	4.73-1.82		3.32	$\frac{23 \times 19 \times 30}{16 \ 13 \ 19}$	4.73-	1.82

*Automatic transmission ratios are produced by the action and/or interaction of two planetary gear sets

278. Overdrive - type None
279. Forward gears on which overdrive can be selected
280. Overdrive - ratio None

FINAL DRIVE

- (**) 290. Type Salisbury
- (**) 291. Differential - type Hypoid ring and pinion
- (**) 292. Limited Slip Differential (if fitted) - type \neq friction plate
293. Ratio 2.92 3.36
- Teeth - number 13/38 11/37

(\neq) Specify friction or tooth type locking differential

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(12)

MAKE Chevrolet - Vega 2300

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IMPORTANT

The conformity of the car with the following items of the present recognition form is to be disregarded during the technical inspection when the vehicle has been entered in Group II (Touring Cars) or III (Grand Touring Cars):

41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, 255, photos I, M, N & items on page 5 as indicated.

During the technical inspection of cars entered in Group IV (Sports Cars) only the following items of the present recognition form are to be taken into consideration:

1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 & photos A, B, D, E, F, G, H, J, K, O.

Optional equipment affecting preceding information:

CATALOGUE PART NUMBER MUST BE GIVEN

H. Powerglide Transmission
P/N 3987934 RPO M-35



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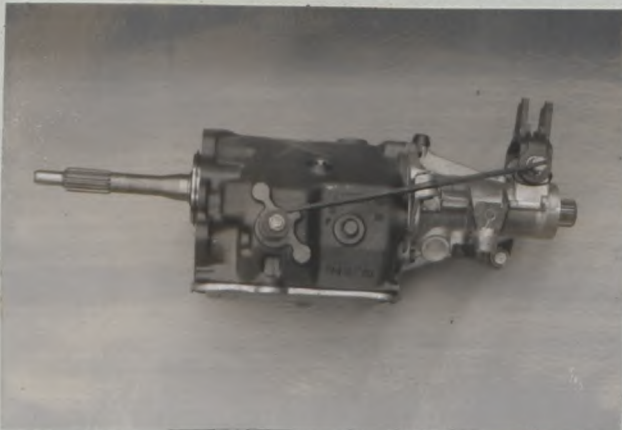
MODEL 14111

FIA REC #

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Optional Equipment -- CATALOGUE PART NUMBER MUST BE GIVEN

H. 4-Spd. Transmission
P/N 3455091 RPO M-20



H. Torque Drive Transmission
P/N 3981721 RPO MB1



Item 293 Optional Axle Ratios

Part No. 3987348 - 2.52 differential ratio 15/38

Item 72 Stabilizer - front - shaft with links Part #3992911 RPO F-41
Item 80 Stabilizer - rear - shaft Part #3978063 RPO F-41
Item 54 Wheel rim - width - 6 in.

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Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN

RPO L-11 ENGINE

Item 250 Horsepower 110 at 4800 RPM

Item 252 Torque 138 at 3200 RPM

Item 182 Valve lift maximum .4366 in. Intake

Item 187 Valves open 25° BTC

Item 188 Valves close 71° ABC

Item 197 Valve lift maximum .4366 in. Exhaust

Item 202 Valves open 101° BBC

Item 203 Valves close 55° ATC

Item 213 Carburetor Model 7041181

Item 214 Carburetor - number of mixture passages - two (2)

Item 215 Carburetor - flange hole diameter - 1.44 in.

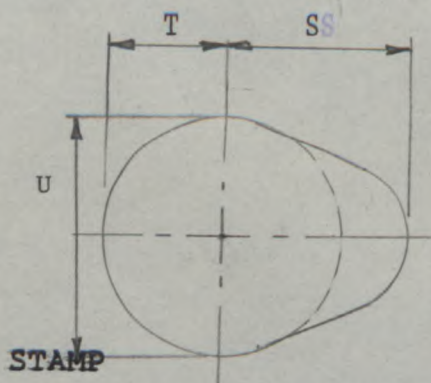
Item 216 Venturi - throat diameter 1 3/32 in.



Photograph P



Photograph N



Inlet cam

S= — mm 1.088 in

T= — mm .652 in

U= — mm 1.309 in

Exhaust cam

S= — mm 1.088 in

T= — mm .652 in

U= — mm 1.330 in



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1/E



**AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, FIA, INC.**
330 Vanderbilt Motor Parkway
HAUPPAUGE, L. I., NEW YORK 11787

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

DOCUMENT OF HOMOLOGATION EXTENSION
IN CONFORMITY WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Make Chevrolet Motor Div.-GMC Model Vega 2300 (Coupe) 1HV11

Serial numbers initiating the modifications described below: Chassis/Body 1V1B4V100001
Engine T (Date) Car

Date of production of first vehicles incorporating modifications: August 15, 1973

Designation of vehicles incorporating modifications: _____

This homologation extension is to be considered as a: VARIANT (Option)

NORMAL EVOLUTION OF TYPE *
(Replaces previous design)

This Homologation is valid from 1. 1. 1974 List _____

DESCRIPTION OF MODIFICATIONS:

ITEM

2	Front Track	1402.08	MM	55.2	Inches
4	Overall Length of Car	448.1	CM	176.4	Inches
5	Overall Height of Car	131.9	CM	51.9	Inches
7	Capacity of Fuel Tank	60.56	Ltrs.	16.0	U.S. Gal.
44	Bumper-Front Material - Aluminum				
45	Bumper-Rear Material - Aluminum				

CARBURATION

- 212 Make - Holley
- 213 Model - 2 Bbl. Downdraft P/N 338179
- 215 Flange Hole - Primary 1.24 in., Secondary 1.40 in.
- 216 Venturi Diameter Primary 1.02 in., Secondary 1.06 in.

Signature & Stamp of
National Sporting Authority

Signature & Stamp
of the F.I.A.

MAKE Chevrolet Vega MODEL 1HV11 REC. NO. 5368 1/1E
Coupe



A. 3/4 FRONT VIEW
(SHOWN WITH OPTIONAL VINYL
ROOF COVERING)



B. 3/4 REAR VIEW

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ACCUS - FIA, INC.
NOV 2 1973

COMMISSION SPORTIVE
INTERNATIONALE
01347 08.1173



MAKE Chevrolet - Vega 2300MODEL 14111FIA NO. 5368GROUP 1

Telephone: (203) 348-6233



Cable Address: "ACCUSFIA" Stamford, Conn.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, F.I.A., INC.

433 MAIN STREET, STAMFORD, CONN. 06901

Federation Internationale de l'Automobile
FORM OF RECOGNITION

In accordance with Appendix "J" of the International Sporting Code

I N D E X

<u>ITEM</u>	<u>NUMBERS</u>	<u>PAGES</u>
Basic Data & Photo		1
Photos		2-3
Sketches		4
Capacities & Dimensions	1-9	5
Chassis & Bodywork	20-32	6
Accessories & Upholstery	38-45	6
Wheels	50-54	6
Steering	60-63	6
Suspension	70-82	7
Brakes	90-105	7
Engine	130-203	8-10
Carburetion	210-216	10
Injection	220-225	10
Engine Accessories	230-241	11
Engine & Car Performance	250-253	11
Drive Train	260-293	11-12
Optional Equipment		13-14
Variants & Evolutions, if any		15-

CONVERSION TABLE:

1 inch / pouce	2.54 cm	
1 foot / pied	30.479 cm	
1 square inch / pouce carre	6.452 cm ²	
1 cubic inch / pouce cube	16.387 cm ³	
1 pound (lb.) / livre	453.593 gr	
1 pint (U.S.)	.473 ltrs	.833 pt. Imp.
1 quart (U.S.)	.946 ltrs	.833 qt. Imp.
1 gallon (U.S.)	3.785 ltrs	.833 gal. Imp.
1 pint (Imp.)	.568 ltrs	1.20 pt. U.S.
1 quart (Imp.)	1.136 ltrs	1.20 qt. U.S.
1 gallon (Imp.)	4.546 ltrs	1.20 gal. U.S.



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