



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

CHEVROLET - CORVETTE 1963 Coupé

MARQUE ET MODELE

1/70

VALIDITE HOMOLOGATION

523

FICHE NR.

3 / 1000

GRUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES
A/V	1/67	CARROSSERIE - PUISS - CULASSE COLLECTEUR ADMISSION - ARBRE A CAMES - COLLECTEUR CHAPP, SOUPAPE	

Autres homologations du modèle

Vérifiée le 26/10/95 par [Signature] visée ce jour le \_\_\_\_\_ par \_\_\_\_\_

**AUTOMOBILE COMPETITION COMMITTEE  
FOR THE UNITED STATES, FIA, INC.**

330 Vanderbilt Motor Parkway  
HAUPPAUGE, L. I., NEW YORK 11787

OCT. 1965

AUTOMOBILE COMPETITION COMMITTEE F.I.A. Recognition No 523  
FOR THE UNITED STATES, FIA, INC. Group B... Grand Tourisme  
107 EAST 89th STREET  
NEW YORK 16, N. Y.

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

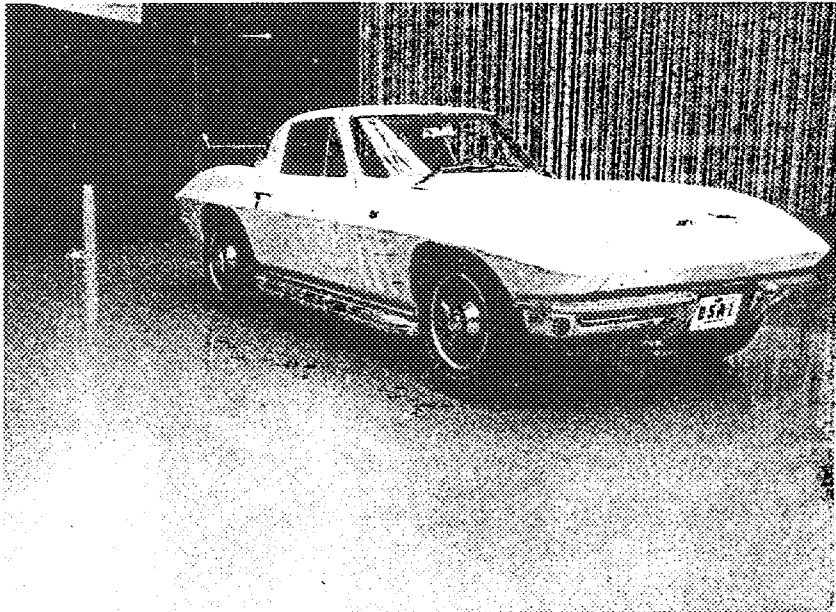
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Form of recognition in accordance with  
Appendix J to the International Sporting Cod

Manufacturer .. CHEVROLET .. Cylinder-capacity .. 6997....cm3 ... 427....in3  
Model Corvette 19437 Coupe  
Serial No of chassis 194376S100001 Manufacturer ... Chevrolet  
engine F-IP Manufacturer ... Chevrolet  
Recognition is valid from 1st Febr. 1966 List 14/2

The manufacturing of the model described in this recognition form was started  
on Sept. 7. 19 65 and the minimum production of 500 identical cars, in  
accordance with the specifications of this form was reached on Sept. 28. 19 65

Photograph A , 3/4 view of car from front



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

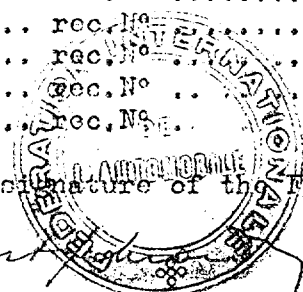
Variants

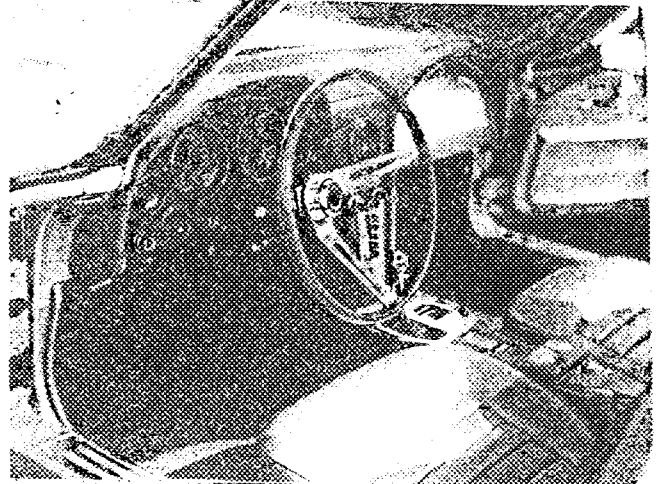
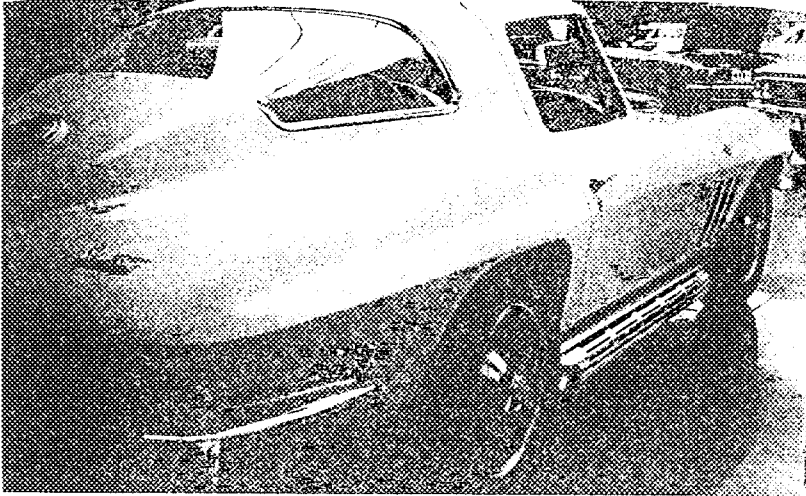
Normal evolution of the type

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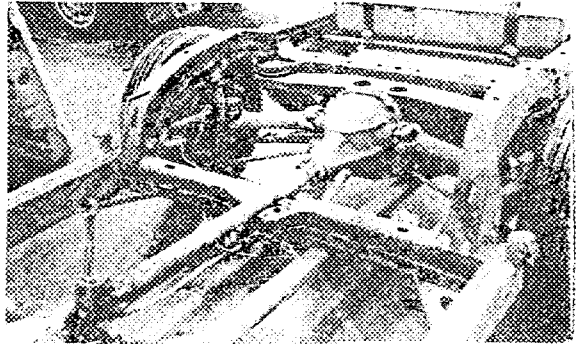
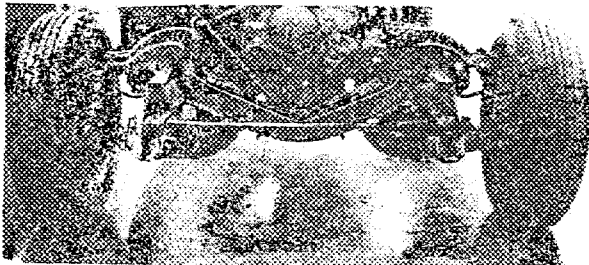
Stamp and signature of the National Sporting Authority  
*[Signature]*  
G. WM FLEMING  
EXECUTIVE DIRECTOR  
ACCUS. FIA, INC.  
433 MAIN STREET  
STAMFORD, CONN. 06901

Stamp and signature of the F.I.A.  
*[Signature]*

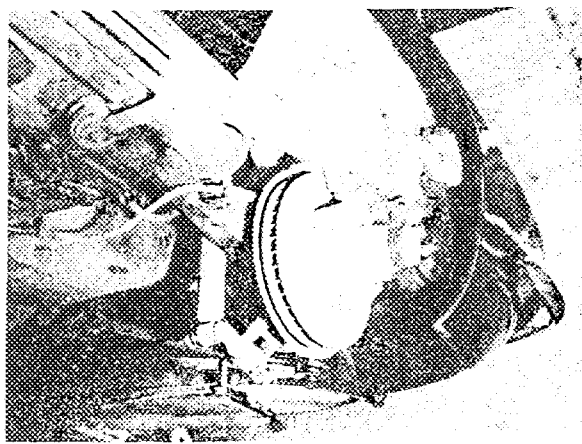
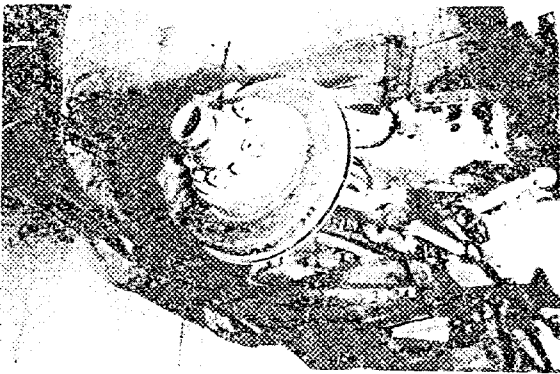




front axle complete, removed

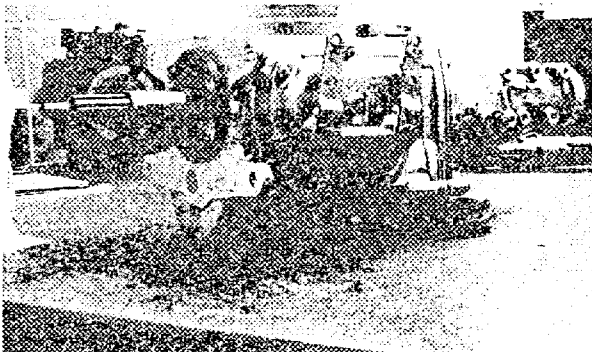


Photograph F



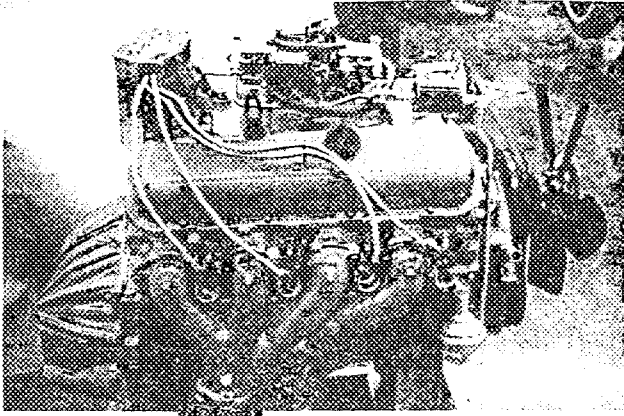
Photograph H

silencer + exhaust pipes after exhaust manifold.

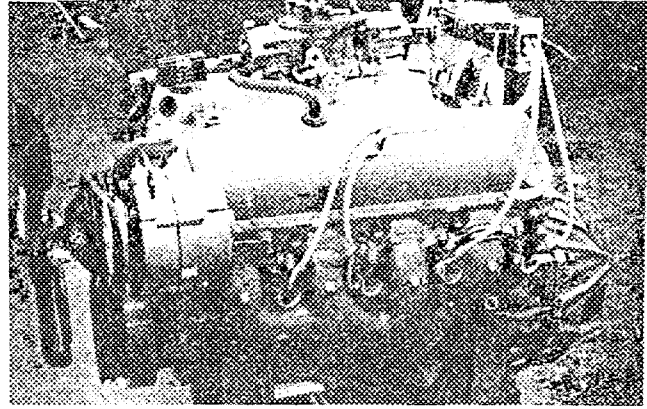


NOT REQUIRED

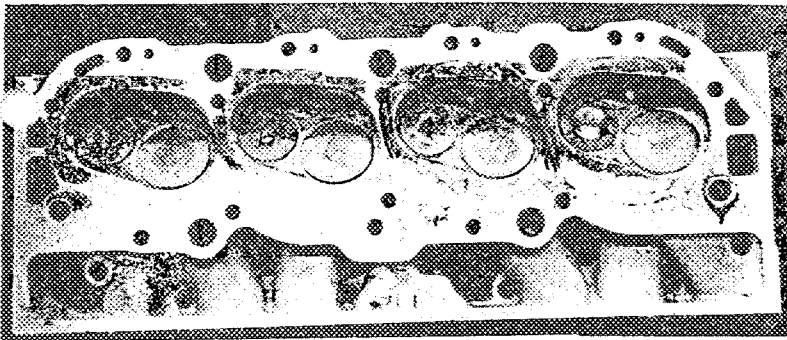




Photograph I



Photograph II



Photograph III

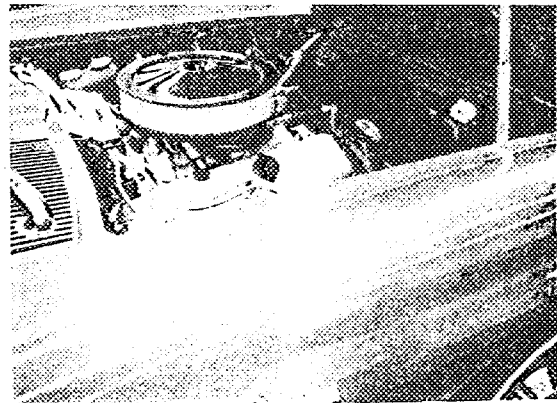
piston crown

NOT REQUIRED

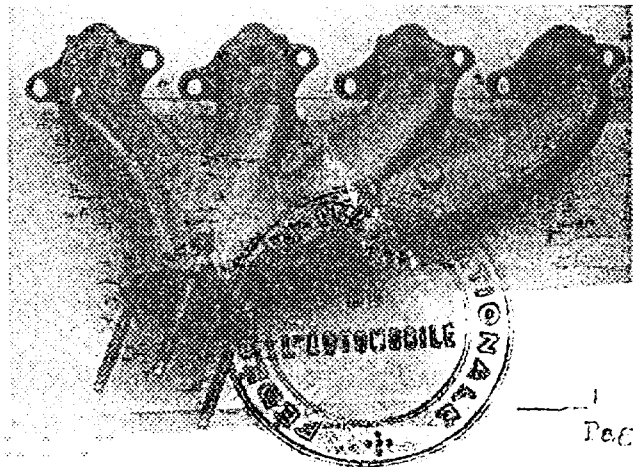
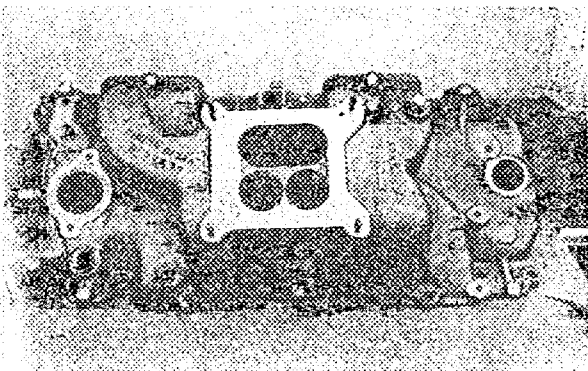
Carburettor (view from side of manifold)

NOT REQUIRED

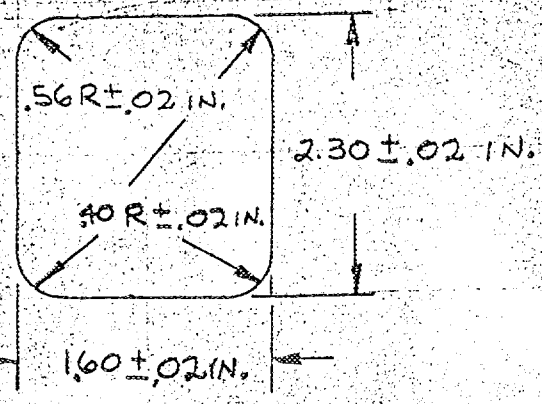
Photograph P



Photograph Q

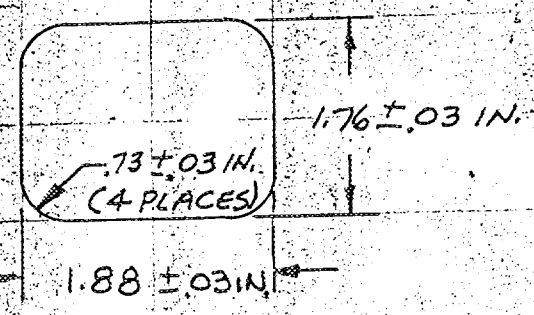


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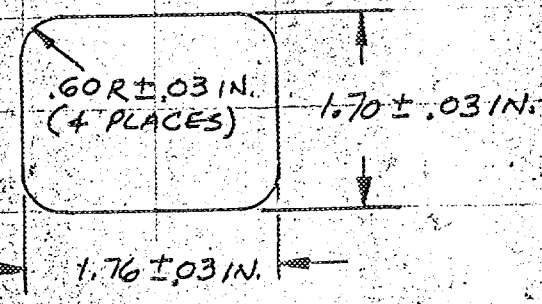


Same as above except tolerances  $\pm .03$   
instead of  $\pm .02$ .

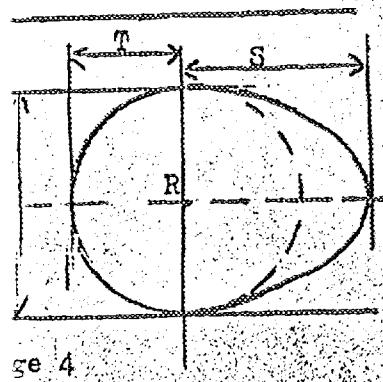
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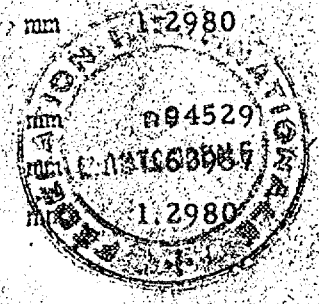
R = centre of camshaft.

Inlet cam

S =	24.0103	mm	.94529	inches
T =	16.2497	mm	.63957	inches
U =	32.9692	mm	1.2980	inches

Exhaust cam

S =	24.0103	mm	.94529	inches
T =	16.2497	mm	.63957	inches
U =	32.9692	mm	1.2980	inches



IMPORTANT -- the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2489.2	mm	98.0	inches
2. <u>Front track</u>	1480.8	mm	58.3	inches *
3. <u>Rear track</u>	1498.6	mm	59.0	inches *
4. Overall length of the car			cm	175.1 inches
5. Overall width of the car			cm	67.3 inches
6. Overall height of the car			cm	49.7 inches
7. <u>Capacity of fuel tank</u> (reserve included)				75.7 ltrs
	20 Gallon US			Gallon Imp.
8. Seating capacity	2			

@ 9. Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools :

1409 kg                      3106 lbs                      cwt  
 1370                              3020                              FEB 1 1971                      UKG

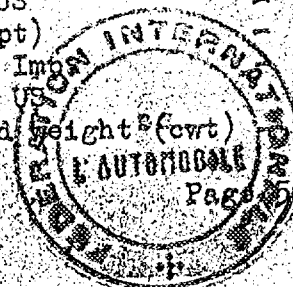
\*) Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognizable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.

With optional 15X7 wheels, front tread 58.9 inches; rear tread 59.7 inches. Measurement taken between centerlines of tires.

CONVERSION TABLE

1 inch/pouce	= 2.54 cm	1 quart US	= 0.9464 ltrs
1 foot/pied	= 30.4794 cm	1 pint (pt)	= 0.568 ltrs
1 square inch/pouce carré	= 6.452 cm <sup>2</sup>	1 gallon Imp	= 4.546 ltrs
1 cubic inch/pouce cube	= 16.387 cm <sup>3</sup>	1 gallon US	= 3.785 ltrs
1 pound/livre (lb)	= 453.593 gr.	1 hundred weight (cwt)	= 50.802 kg

@ Official weight when including RPO and delete optional equipment - 2851 lb, 1293 kg.



Make Chevrolet Corvette

Model 19437

F.I.A. Rec. No 523

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : separate / unitary construction. Separate

21. Unitary construction, material(s)

Separate construction

22. Material(s) of chassis Steel, ladder type frame supporting all chassis components

23. Material(s) of coachwork Fiber glass reinforced plastic body with steel cage  
outlining passenger compartment

24. Number of doors 2 Material(s) Plastic, steel reinforced

25. Material(s) of bonnet Plastic with plastic reinforcements

26. Material(s) of boot lid None

27. Material(s) of rear-window Sport Coupe - safety plate glass

28. Material(s) of windscreen Laminated safety plate glass

29. Material(s) of front-door windows Safety plate glass

30. Material(s) of rear-door windows None

31. Sliding system of door windows Ventipane - safety plate glass

32. Material(s) of rear-quarter light None

ACCESSORIES AND UPHOLSTERY

@ 38. Interior heating : yes - no Yes 39. Air-conditioning : yes - no No

40. Ventilation : yes - no Yes

41. Front seats, type of upholstery

42. Weight of front seat(s), complete with supports and rails, out of the car :  
kg 33.5 (one) lbs

43. Rear seats, type of upholstery None

44. Front bumper, material(s) Steel Weight kg 39.4 lbs

45. Rear bumper, material(s) Steel Weight kg 21.8 lbs

WHEELS

50. Type Quick take-off

51. Weight (per wheel, without tyre) kg 27.8 lbs

52. Method of attachment Wing nut

53. Rim diameter 381 mm 15.0 inches

54. Rim width 152.4 mm 6.0 inches

STEERING

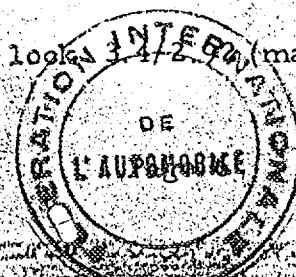
60. Type Parallel relay

61. Servo-assistance : yes - no No, Optional

62. Number of turns of steering wheel from lock to lock (manual adjustment provided)

63. In case of servo-assistance 2.92

@ Delete option available.



SUSPENSION

70. Front suspension (photogr. D), type Independent, short-long arm

71. Type of spring Coil

72. Stabiliser (if fitted)

73. Number of shock absorbers 2 74. Type Direct, double-acting

78. Rear suspension (photogr. E), type Full independent, fixed differential

79. Type of spring Multi-leaf (transversely mounted)

80. Stabiliser (if fitted)

81. Number of shock absorbers 2 82. Type Direct, double-acting

BRAKES (photographs F and G)

90. Method of operation Caliper disc, 4-wheel hydraulic (foot pedal)

91. Servo-assistance (if fitted), type

92. Number of hydraulic master cylinders 1

	FRONT		REAR	
93. Number of cylinders per wheel	4		4	
94. Bore of wheel cylinder(s)	mm	1.875 in.	mm	1.375 in.
Drum brakes				
95. Inside diameter	mm	in.	mm	in.
96. Length of brake linings	mm	in.	mm	in.
97. Width of brake linings	mm	in.	mm	in.
98. Number of shoes per brake				
99. Total area per brake	mm <sup>2</sup>	sq. in.	mm <sup>2</sup>	sq. in.
Disc brakes				
100. Outside diameter	mm	11.75 in.	mm	11.75 in.
101. Thickness of disc	mm	.44 in.	mm	.44 in.
102. Length of brake linings	mm	6.2 in.	mm	6.2 in.
103. Width of brake linings	mm	2.64 in.	mm	2.64 in.
104. Number of pads per brake		2		2
105. Total area per brake	mm <sup>2</sup>	23.9 sq. in.	mm <sup>2</sup>	23.9 sq. in.





Make Chevrolet Corvette

Model 19437

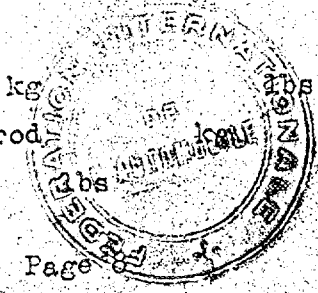
F.I.A. Rec. No 523

ENGINE (photographs J and K)

- 130. Cycle 4
- 131. Number of cylinders 8
- 132. Cylinder arrangement 90° V
- 133. Bore 108.0 mm 4.25 in. 134. Stroke 95.5 mm 3.76 in.
- 135. Capacity per cylinder 890.82 cm<sup>3</sup> 53.340 cu. in.
- 136. Total cylinder-capacity cm<sup>3</sup> cu. in.
- 137. Material(s) of cylinder block Cast iron alloy
- 138. Material(s) of sleeves (if fitted) None
- 139. Cylinder-head, material(s) Cast ~~alloy~~ iron alloy Number fitted 2
- 140. Number of inlet ports 8 141. Number of exhaust ports 8
- 142. Compression ratio
- 143. Volume of combustion chamber cm<sup>3</sup> cu. in.
- 144. Piston, material 145. Number of rings
- 146. Distance from gudgeon pin centre line to highest point of piston crown mm inches
- 147. Crankshaft : moulded / ~~cast~~ forged 148. Type of crankshaft : integral ~~xxx~~ ...
- 149. Number of crankshaft main bearings 5
- 150. Material of bearing cap Cast iron
- 151. System of lubrication : ~~dry sump~~ / oil in sump
- 152. Capacity, lubricant ltrs pts 5 (without filter) quarts US
- 153. Oil cooler: yes/ no 154. Method of engine cooling Water
- 155. Capacity of cooling system ltrs pints 22 (with heater) quarts US
- 156. Cooling fan (if fitted), dia. cm inches
- 157. Number of blades of cooling fan
- 158. Crankshaft main, type Bearings Upper 5: Steel Dia. mm 2.7483 in. 1-4 & Lower 5: Premium aluminum Dia. mm 2.1995 in.
- 159. Connecting rod, big end, type Premium aluminum rod Dia. mm 2.1995 in.

Weights

- 160. Flywheel (clean) kg lbs
- 161. Flywheel with clutch (all turning parts) kg lbs
- 162. Crankshaft kg lbs
- 163. Connecting rod kg lbs
- 164. Piston with rings and pin kg lbs



Page

Make, Chevrolet Corvette

Model 19437

F.I.A. Rec. No 523

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location In block above crankshaft

172. Type of camshaft drive Chain

173. Type of valve operation Push rod

INLET (see page 4) \*

180. Material(s) of inlet manifold X Aluminum

181. Diameter of valves 55.63 mm 2.190 inches

182. Max. valve lift mm in. 183. Number of valve springs 16

184. Type of spring Coil 185. Number of valves per cylinder 1

186. Tappet clearance for checking timing (cold) mm inches

187. Valves open at (with tolerance for tappet clearance indicated)

188. Valves close at (with tolerance for tappet clearance indicated)

189. Air filter, type

EXHAUST (see page 4)

195. Material(s) of exhaust manifold Cast iron

196. Diameter of valves 43.69 mm 1.720 inches

197. Max. valve lift 13.20 mm .5197 in. 198. Number of valve springs 16

199. Type of spring Coil 200. Number of valves per cylinder 1

201. Tappet clearance for checking timing (cold) mm inches

202. Valves open at (with tolerance for tappet clearance indicated)

203. Valves close at (with tolerance for tappet clearance indicated)

CARBURETION (photograph N)

210. Number of carburetors fitted 1 211. Type 4-bbl downdraft

212. Make 213. Model

214. Number of mixture passages per carburettor 4

215. Flange hole diameter of exit port(s) of carburettor mm in.

216. Minimum diameter of venturi/minimum diam. with piston at maximum height

mm inches

INJECTION (if fitted) None

220. Make of pump

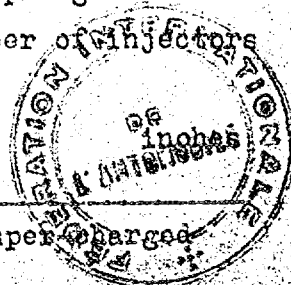
221. Number of plungers

222. Model or type of pump

223. Total number of injectors

224. Location of injectors

225. Minimum diameter of inlet pipe mm



) for additional information concerning two-stroke engines and super-charged engines see page 13.

Make Chevrolet Corvette Model 19437

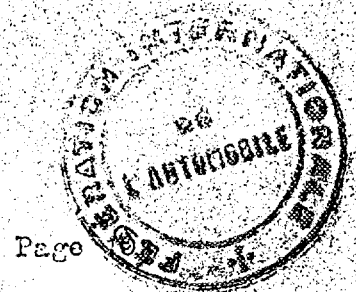
F.I.A. Rec. N° 523

ENGINE ACCESSORIES

230. Fuel pump : mechanical and/or electric 231. N° fitted  
232. Type of ignition system Transistor , 233. N° of distributors 1  
234. N° of ignition coils 1 235. N° of spark plugs per cylinder 1  
236. Generator, number fitted 1 237. Method of drive Belt  
238. Voltage of generator 12 volts 239. Battery, number Fitted 1  
240. Location Rear of left wheelhouse  
241. Voltage of battery 12 volts

ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)

250. Max. engine output (type of horsepower; ) at rpm  
251. Maximum rpm output at that figure  
252. Maximum torque at rpm  
253. Maximum speed of the car km/hour miles/hour



Make Chevrolet Corvette Model 19437

F.I.A. Rec. N° 573

DRIVE TRAIN

CLUTCH

260. Type of clutch Single dry disk 261. N° of plates 1  
 262. Dia. of clutch plates cm 11.0 inches  
 263. Dia. of linings, inside cm 6.5 in. outside cm 11.0 in.  
 264. Method of operating clutch Mechanical

GEAR BOX (photograph H)

270. Manual type, make Chevrolet  
 271. N° of gear-box ratios forward 4 272. Synchronized forward ratios 4  
 273. Location of gear-shift Floor (in console)  
 274. Automatic, make Not available type  
 275. N° of forward ratios 276. Location of gear-shift

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	N° teeth	Ratio	N° teeth	Ratio	N° teeth	Ratio	N° teeth
1	2.20:1	$\frac{27}{26} \times \frac{36}{17}$						
2	1.64:1	$\frac{27}{26} \times \frac{30}{19}$						
3	1.28:1	$\frac{27}{26} \times \frac{27}{19}$						
4	1:1							
5								
6								
reverse	2.27:1	$\frac{27}{26} \times \frac{18}{17} \times \frac{35}{17}$						

278. Overdrive, type Not available  
 279. Forward gears on which overdrive can be selected  
 280. Overdrive ratio

FINAL DRIVE

290. Type of final drive Hypoid ring gear and pinion  
 291. Type of differential Limited slip  
 292. Type of limited slip differential (if fitted) Clutch  
 293. Final drive ratio 3.55:1  
 Number of teeth 32, 9



Make Chevrolet Corvette

Model 19437

F.I.A. Rec. No 523

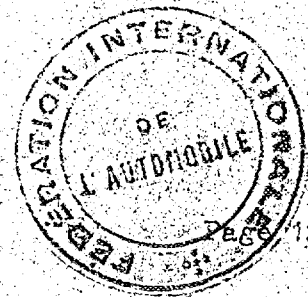
IMPORTANT - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, M and N.

During the scrutineering of cars entered in group 4 (Sportscars) 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 and photographs A, B, D, E, F, G, H, J, K and O.

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Optional equipment affecting preceding information. This to be stated together with reference number.

- 1 - Limited Slip Differential, Regular Production Option G81  
Ratios 2.73, 2.92, 3.08, 3.36, 3.70, 4.11, 4.56, 4.88
- 2 - 36.5 Gallon (U.S.) Fuel Tank, Regular Production Option N03
- 3 - Special Performance Suspension, Regular Production Option F41
- 4 - 15 x 7.0 in. Magnesium Wheels - Part #3893674



MAKE CHEVROLET  
CORVETTE MODEL 19437 FIA REC NO v 523 A/V

JAN 1 1967



Telephone: (203) 348-6233

Cable Address: "ACCUSFIA" Stamford, Conn.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.

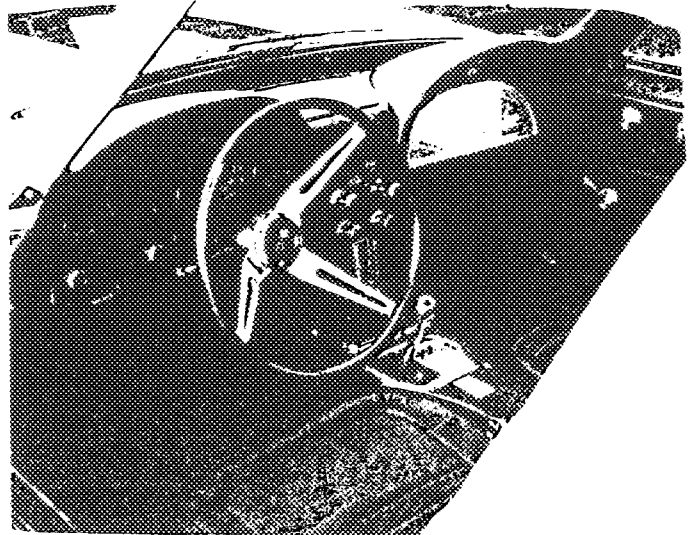
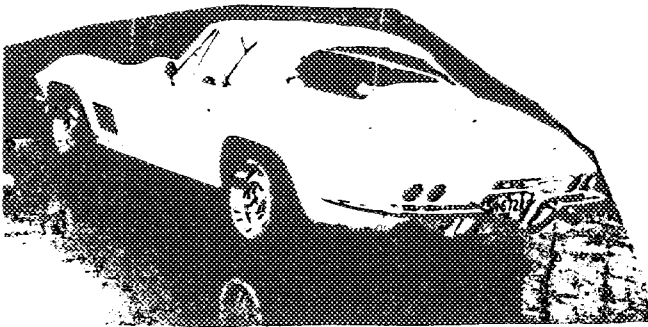
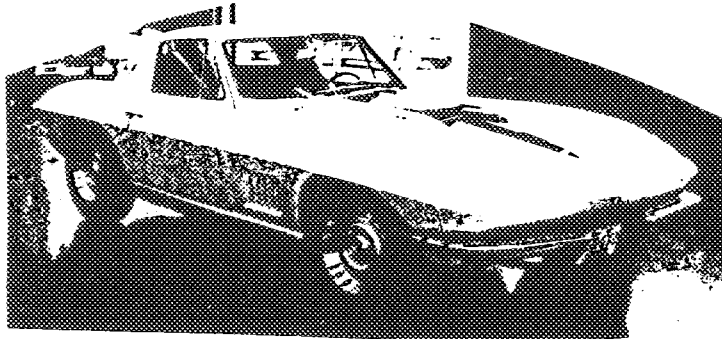
433 MAIN STREET, STAMFORD, CONN. 06901

VARIANT FORM - In accordance with Appendix "J" of the International Sporting Code

A variant is one or several changes which noticeably modify either the performance or main characteristics of the car, but concerns only a part of the production run.

Recognition is granted a variant only after it has met the same production requirements as the FIA Group in which the original model was recognized (I-5000; II-1000; III-500; IV-50)

In filing this form, each change must be fully documented as required in the original recognition form, using the same item numbering keys and including sketches or photos as and if required in the original form.

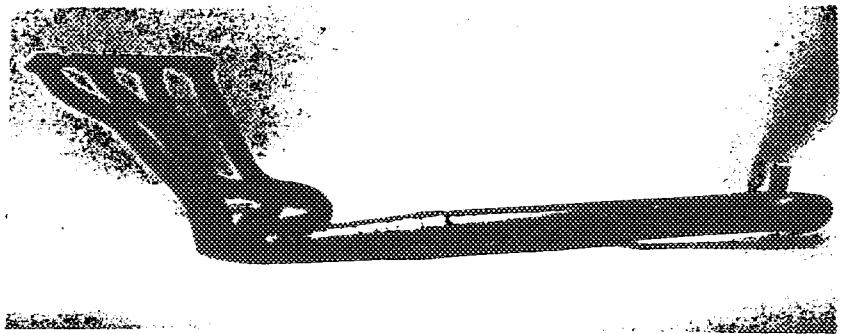
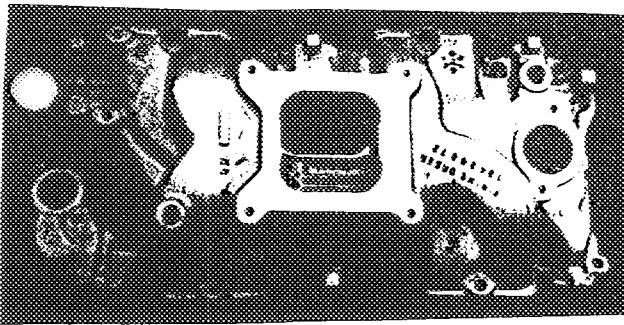
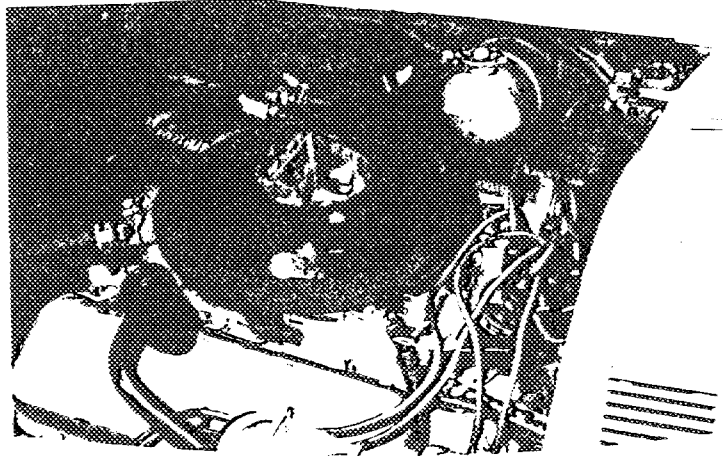
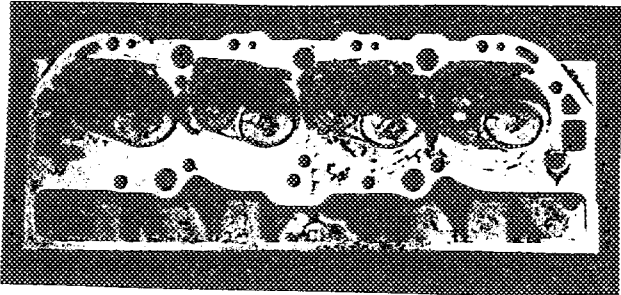


INTERNATIONAL MOTOR SPORTS FEDERATION  
BY  
HUBER  
1967

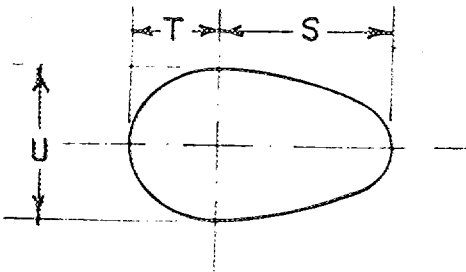
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Valid from 1st Jan. 1967  
List 15/2 (1)

JAN 1 1943

The following items are affected - otherwise same as original:



NEW CAM DATA FOR CAM 3879605



Inlet Cam		
S -	.94429/.94629 in.	23.985/24.036 mm.
T -	.61572/.61772 in.	15.639/15.690 mm.
U -	1.23144/1.23544 in.	31.279/31.380 mm.
Exhaust Cam		
S -	.94429/.94629 in.	23.985/24.036 mm.
T -	.60311/.60511 in.	15.319/15.370 mm.
U -	1.20622/1.21022 in.	30.638/30.740 mm.

9. Weight Total weight of the car with water, oil but without fuel  
1259 Kg. 2778 lbs.

139. Cylinder head material - Aluminum.

195. Material of exhaust manifold - Steel tubing.

196. Diameter of exhaust valves. 46.76 mm. 1.840 inches.

Battery - Trunk mounted.

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