



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

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

1449

Federation Internationale de l'Automobile  
FORM OF RECOGNITION

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

Cylinder capacity 4956.3 cm3 302.3 in3

Manufacturer CHEVROLET Model Camaro 12437

Serial # Chassis 124377N100001 Manufacturer Chevrolet

Serial # Engine ----- Manufacturer Chevrolet

Recognition valid from \_\_\_\_\_ List \_\_\_\_\_

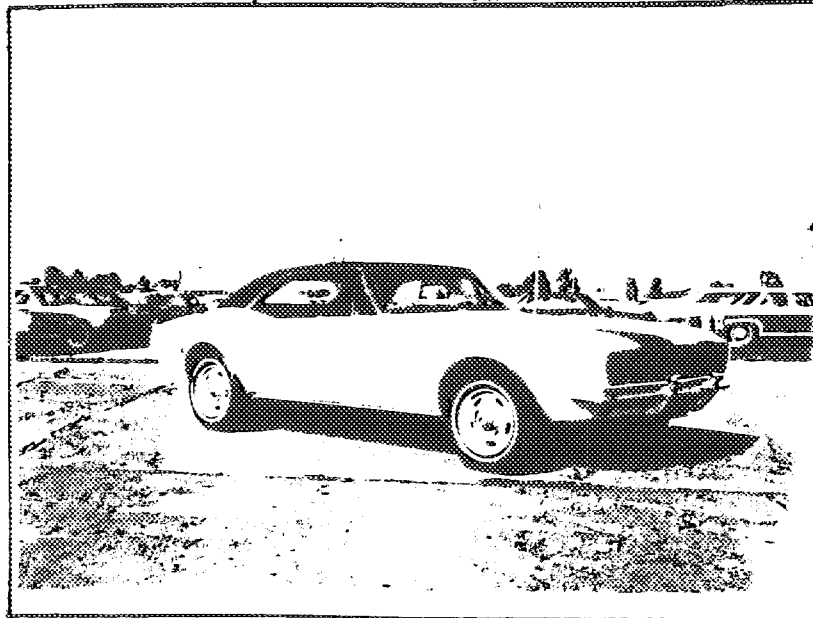
The manufacturing of the model described in this recognition form was started on Oct. 1 and the minimum production of 1000 identical cars, in accordance with the specifications of this form, was reached on Nov. 1, 1966.

(\*) need not be answered for Group II and III cars.

(\*\*) 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    

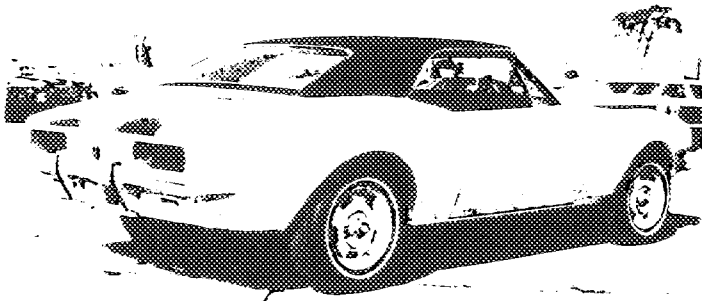
Normal evolution of the type  
on 19 rec #     list      
on 19 rec #     list      
on 19 rec #     list    

Stamp/Signature of  
National Sporting Authority

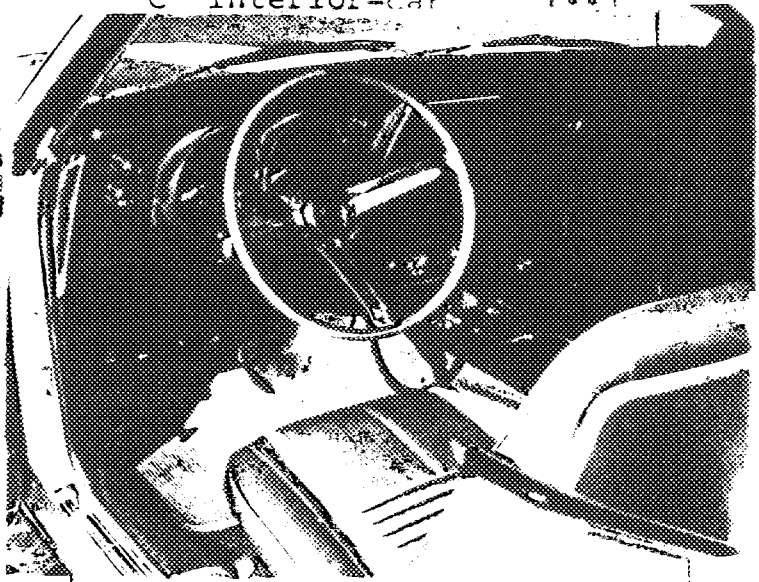
*John J. Clonan*

Stamp/Signature  
F.I.A.

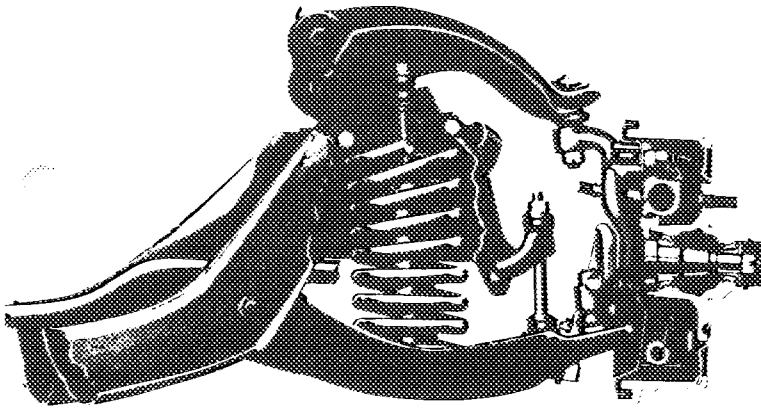
B 3/4 rear car (\*\*)



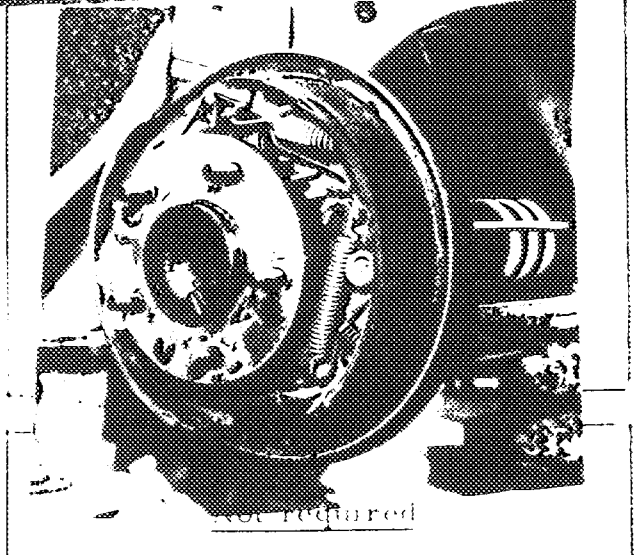
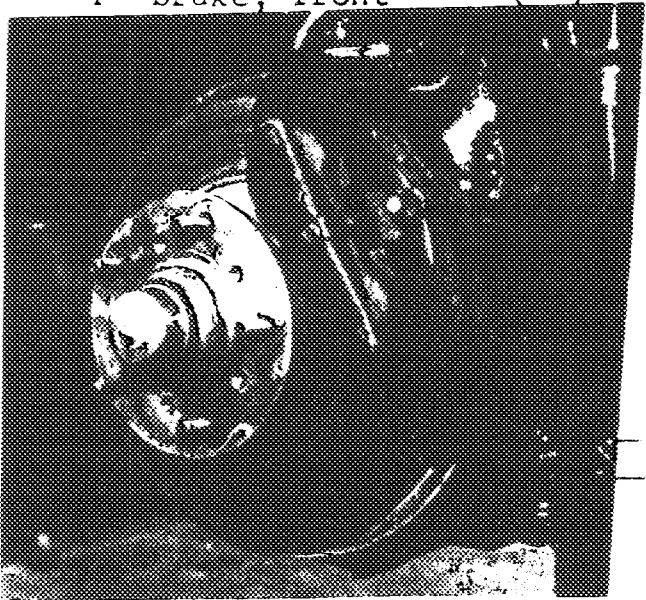
C interior-car (\*\*)



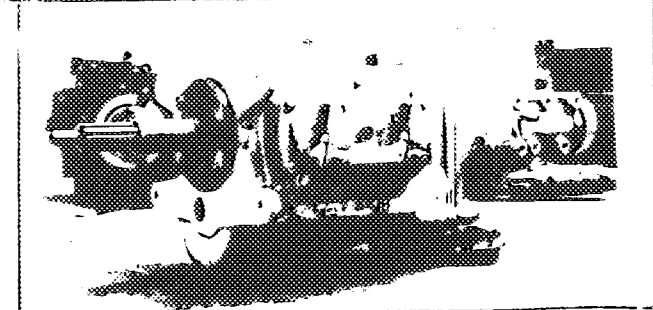
D front axle (\*\*)



F brake, front (\*\*)



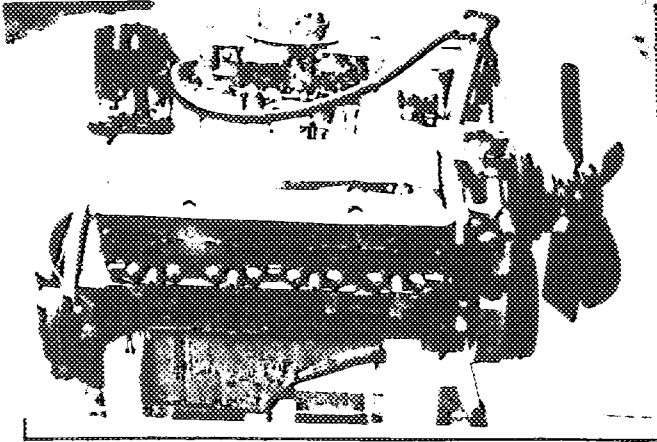
muffler and exhaust pipes  
after exhaust manifold



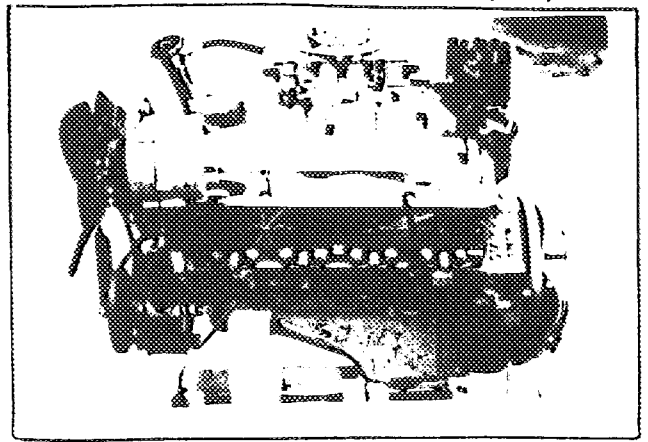
STAMP

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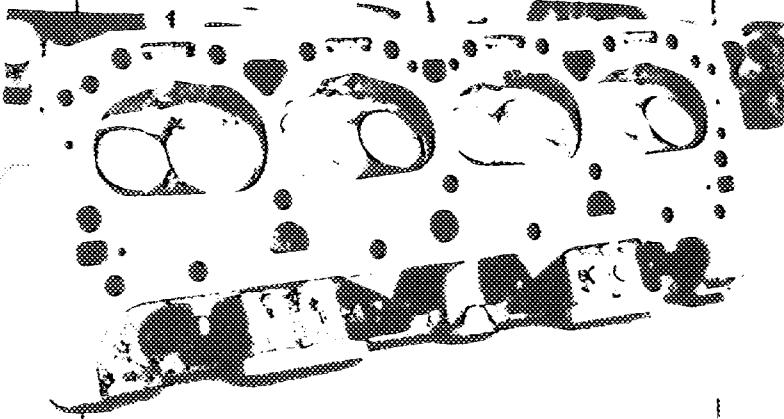
J ENGINE RIGHT (\*\*)



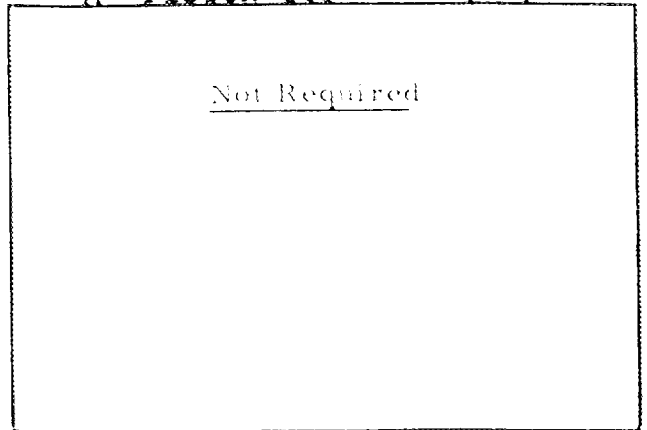
K ENGINE LEFT (\*\*)



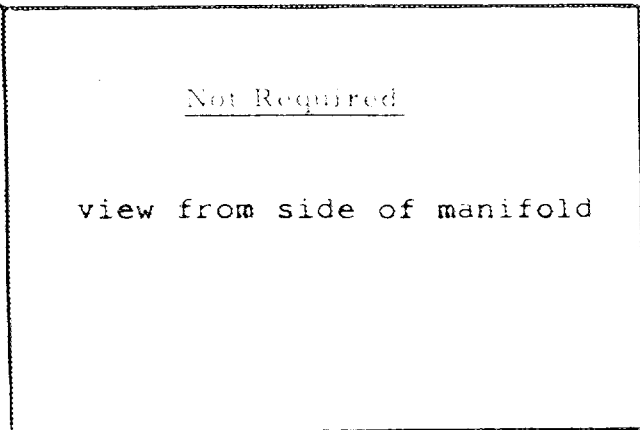
L COMBUSTION CHAMBER



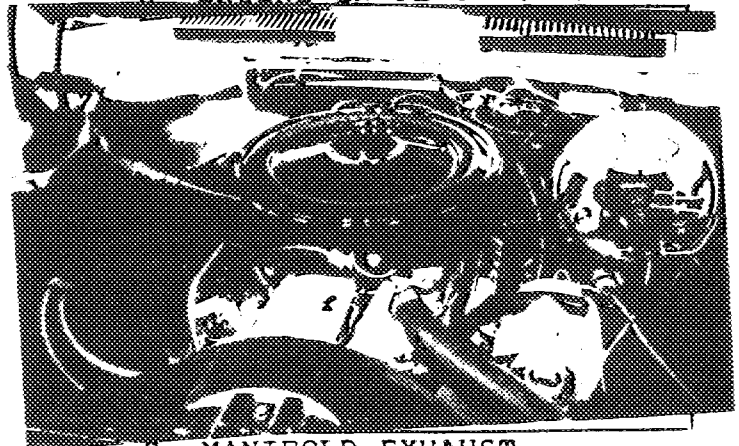
M PISTON TOP (\*)



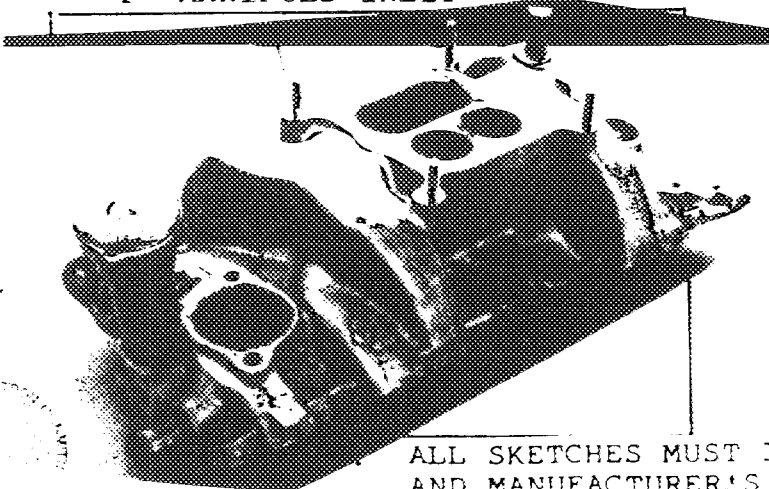
N CARBURETOR (\*)



O ENGINE IN PLACE (\*\*)



P MANIFOLD INLET



Q MANIFOLD EXHAUST



STAMP

ALL SKETCHES MUST INDICATE DIMENSIONS AND MANUFACTURER'S TOLERANCES.

STAMP

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

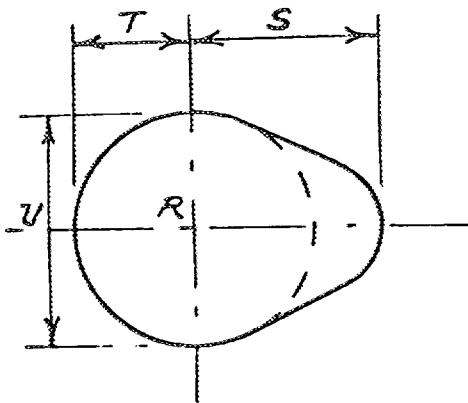
- \*Inlet
  - Manifold
  - Porting
  - Cyl.
  - Head
  - Face

- \*Cylinder
  - Head
  - Porting
  - Inlet
  - Face

- \*Exhaust
  - Manifold
  - Porting
  - Cyl. Head
  - Face

- \*Cylinder
  - Head
  - Porting
  - Exhaust
  - Face

CAM



Inlet cam

S=	23.47/23.42	mm	.9241/.9221	in
T=	15.26/15.21	mm	.60074/.59874	in
U=	30.52/30.42	mm	1.2014/1.1974	in

Exhaust cam

S=	mm	in
T=	mm	in
U=	mm	in

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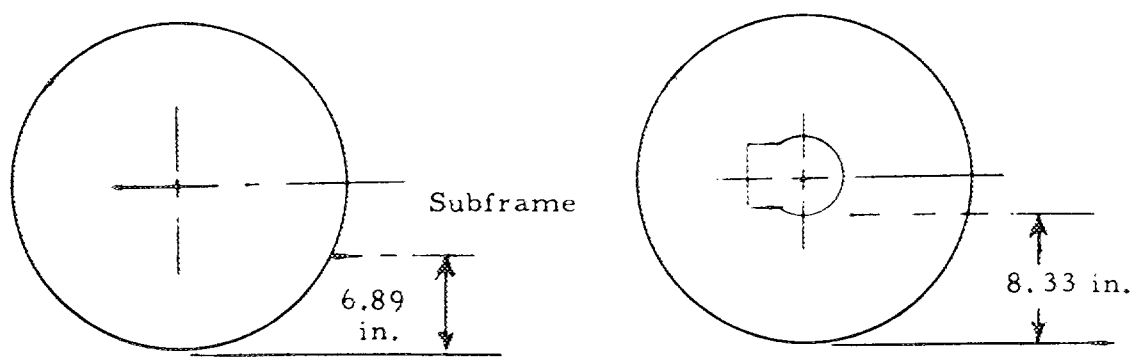
**IMPORTANT:** Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system.  
See conversion table at index.

CAPACITIES & DIMENSIONS

- (\*\*) 1. Wheelbase 2743.2 mm 108.0 in
  - (\*\*) 2. Front track 1498.6 mm 59.0 in + .5
  - (\*\*) 3. Rear track 1496.06 mm 58.9 in + .5
- + 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"



← Front of car

- 4. Overall length of car 469.14 cm 184.7 in
- 5. Overall width of car 184.15 cm 72.5 in
- 6. Overall height of car 130.56 cm 51.4 in
- 7. Capacity of fuel tank (reserve included) 140.0 ltrs.  
37.0 gallons US 30.8 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. 1197 kg 2640 lbs

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CHASSIS & BODYWORK - Photos A, B, C

- (\*\*) 20. Chassis/body construction - separate/unit construction
- (\*\*) 21. Unit construction - material/s Stamped steel
- (\*\*) 22. Chassis - material/s separate construction
- (\*\*) 23. Body - material/s 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 Tempered glass
- 28. Windshield - material/s Laminated Safety Plate Glass
- 29. Windows, front door - material/s Tempered Glass
- 30. Windows, rear door - material/s -
- 31. Windows - actuating system Sector gear and linkage.
- 32. Window, rear quarter - material/s Tempered 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 -
- 42. Seats, front - weight  
(complete with supports & rails out of car) 40.37 kg 89.0 lbs
- CHECK: BENCH \_\_\_\_\_ BUCKET X CONSOLE INCLUDED No
- 43. Seats, rear - type of seat and upholstery- Bench, Cloth trimmed.
- 44. Bumper, front - material/s Steel kg 9.62 lbs, 21.2 Weight
- 45. Bumper, rear - material/s Steel kg 7.35 lbs, 16.2 Weight

WHEELS

- 50. Type Pressed Steel
- 51. Weight (per wheel, without tire) 7.35 kg 16.2 lbs
- 52. Method of attachment 5, lug bolts
- 53. Rim, diameter 381.0 mm 15.0 in
- 54. Rim, width 152.4 mm 6.0 in

SUSPENSION

- (\*\*) 70. Suspension, front (photo D) - type Short and long arm, independent.
- (\*\*) 71. Spring - type Coil
- (\*) 72. Stabilizer - if fitted -

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- 73. Shock absorbers - number 2
- 74. Type Direct Acting, Telescoping
- (\*\*) 78. Suspension, rear (photo E) - type Hotchkiss
- (\*\*) 79. Spring - type Leaf
- (\* ) 80. Stabilizer - if fitted -
- 81. Shock absorbers - number 2
- 82. Type Direct Acting, Telescoping.

BRAKES (Photos E and F)

- (\*\*) 90. Method of operation Foot Pedal; Hydraulic
- (\* ) 91. Power assisted (if fitted) - type -
- 92. Master Cylinders - number and type Duplex  
(indicate if duplex master cylinder) Front Rear
- 93. Cylinders - number per wheel 1 1
- 94. Cylinders - wheel bore 28.58 mm 1.125 in 22.23 mm .875 in  
(indicate stepped bore dimensions if applicable)

Drum Brakes

- 95. Diameter, inside 241.3 Front Rear  
mm 9.5 in 241.3 mm 9.5 in
- 96. Linings, length Total 476.50 mm 18.76 in 476.5 mm 18.76 in
- 97. Linings, width 63.5 mm 2.5 in 50.8 mm 2.0 in
- 98. Shoes - number per brake 2 2
- 99. Area, total - per brake 3026.0 mm<sup>2</sup> 46.9 in<sup>2</sup> 2419.5 mm<sup>2</sup> 37.5 in

Disc Brakes

- 100. Diameter, outside 279.4 mm 11.0 in mm in
- 101. Thickness of disc 25.4 mm 1.0 in mm in
- 102. Lining - length 151.4 mm 5.96 in mm in
- 103. Lining - width 56.1 mm 2.21 in mm in
- 104. Pads - number per brake 2
- 105. Area, total - per brake 1393.6 mm<sup>2</sup> 21.6 in<sup>2</sup> mm<sup>2</sup> in<sup>2</sup>

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MAKE Chevrolet Camaro MODEL 12437 FIA REC # 1449

ENGINE (Photos J and K)

- (\*\*) 130. Cycle two four Wankel
- (\*\*) 131. Cylinders - number Eight
- (\*\*) 132. Cylinders - arrangement V Wankel - # of elements and basic dimensions
- (\*\*) 133. Bore 101.65 mm 4.002 in
- (\*\*) 134. Stroke 76.327 mm 3.005 in
- (\*\*) 135. Cylinders - capacity 619.538 cm<sup>3</sup> 37.799 in<sup>3</sup>
- (\*\*) 136. Cylinders, total capacity <sup>4956.309</sup> cm<sup>3</sup> 302.398 in<sup>3</sup>
- (\*\*) 137. Cylinder Block - material/s Cast Iron
- (\*\*) 138. Sleeves - material/s (if fitted) None
- (\*\*) 139. Head, cylinder - material/s Cast Iron number fitted Two
- (\*\*) 140. Port, inlet - number Eight
- (\*\*) 141. Port, exhaust - number Eight
- (\*) 142. Compression - ratio -
- (\*) 143. Combustion chamber - volume cm<sup>3</sup> -- in<sup>3</sup>
- (\*) 144. Piston - material/s -
- (\*) 145. Rings - number -
- (\*) 146. Distance from gudgeon pin centre line to highest point of piston crown mm - in
- (\*\*) 147. Crankshaft - cast forged mach from solid
- (\*\*) 148. Crankshaft - type - integral - sectioned - # of sections
- (\*\*) 149. Crankshaft, main bearings - number Five
- (\*\*) 150. Bearing cap - material/s Cast Iron
151. Lubrication - system - dry sump oil in sump
152. Lubricant - capacity 4.732 ltrs 10 pts qts US 4 Qts (Pan + 1 Qt (Filter))
- (\*) 153. Cooler, oil - yes no -
154. Cooling - method Water
155. Cooling - capacity of system 17.028 ltrs pts 18 qts US

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- (\*) 156. Fan, cooling (if fitted) - diameter cm - in
- (\*) 157. Fan, cooling - number of blades - material/s

BEARINGS

- (\*\*) 158. Crankshaft, main - type Aluminum on Steel diameter 58.42 mm 2.30 in
- (\*\*) 159. Connecting rod, big end - type Alum on Steel diameter 50.80 mm 2.00 in

WEIGHTS

- (\*) 160. Flywheel (clean) kg - lbs
- (\*) 161. Flywheel with clutch (all rotating parts) kg - lbs
- (\*) 162. Crankshaft kg - lbs
- 163. Connecting Rod .567 kg 1.250 lbs
- (\*) 164. Piston with rings & pin kg - lbs

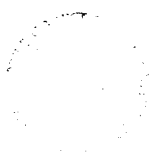
FOUR CYCLE ENGINES

- (\*\*) 170. Camshafts - number One material/s Cast alloy iron
- (\*\*) 171. Camshaft - location Cylinder Block
- (\*\*) 172. Camshaft Drive, type Chain & Sprocket
- (\*\*) 173. Valve operation - type Pushrod

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

- 180. Inlet manifold - materials Aluminum
- 181. Valves (overall) - diameter 51.31 mm 2.02 in
- (\*) 182. Valve lift - maximum mm - in
- 183. Springs, valve - number 8 + 8 Dampers
- 184. Spring - type Coil
- (\*\*) 185. Valves, per cylinder - number One
- (\*) 186. Tappet - clearance for checking timing (cold) mm - in
- (\*) 187. Valves - open at (with tolerance for tappet - clearance indicated)
- (\*) 188. Valves - close at (with tolerance for tappet - clearance indicated)
- (\*) 189. Air filter - type -

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EXHAUST (See Photo Q)

195. Manifold, exhaust - material/s Steel Tubing
196. Valves (overall) - diameter 40.64 mm 1.60 in
197. Valve, lift - maximum 11.557 mm .455 in
198. Valve Springs/valve - number One per Valve + One Damper per Vlv
199. Springs - type Coil
- (\*\*) 200. Valves - number per cylinder One
- (\*) 201. Tappet - clearance for checking timing (cold)  
mm - in
- (\*) 202. Valves - open at (with tolerance for tappet -  
clearance indicated)
- (\*) 203. Valves - close at (with tolerance for tappet -  
clearance indicated)

CARBURETION (See Photo N)

210. Carburetors, fitted - number One
211. Type Downdraft
- (\*) 212. Make -
- (\*) 213. Model --
214. Carburetors - number of mixture passages Four
- (\*) 215. Carburetor - flange hole diameter of exit port  
mm - in
216. Venturi - throat diameter+ mm - in

INJECTION

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
- 232. Ignition system - type Coil or Transistor
- 233. Distributors - number One
- 234. Coils, ignition - number One
- 235. Spark plugs - number per cylinder One
- 236. Generator (or Alternator) - number fitted One
- 237. Drive - method Belt
- 238. Voltage, generator - volts 12
- 239. Battery - number One
- 240. Location In Trunk
- 241. Voltage - volts-12; amp hrs - 45

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- ( \*) 250. Horsepower - maximum engine output at rpm  
(indicate SAE or DIN)
- ( \*) 251. RPM - maximum output at that figure
- ( \*) 252. Torque - maximum at rpm
- ( \*) 253. Speed - maximum km/hour miles/hour

DRIVE TRAIN

Clutch

- 260. Type Dry Plate
- 261. Plates - number of driven One
- 262. Plates - diameter 26.416 cm 10.4 in
- 263. Linings - diameter - inside 16.51 cm 6.5 in  
Linings - diameter - outside 26.416 cm 10.4 in
- 264. Method of operation Mechanical

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Gear Box (Photo H)

- (\*\*) 270. Manual type - make Chevrolet
- (\*\*) 271. Ratios, forward - number 4
- 272. Ratios, forward - number synchronized 4
- 273. Gear-Shift - location Floor optional
- (\*\*) 274. Automatic - make NA type
- (\*\*) 275. Ratios, forward - number
- 276. Gear-Shift - location

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	2.20	$\frac{27}{26} \times \frac{36}{17}$			2.52	$\frac{25}{21} \times \frac{36}{17}$	1.76	See below
2	1.64	$\frac{27}{26} \times \frac{30}{19}$			1.88	$\frac{25}{21} \times \frac{30}{19}$		
3	1.27	$\frac{27}{26} \times \frac{27}{22}$			1.47	$\frac{25}{21} \times \frac{27}{22}$	1.76	
4	1.00				1.00			
5								
6								
reverse	2.26	$\frac{27}{26} \times \frac{18}{17} \times \frac{35}{17}$			2.59	$\frac{25}{21} \times \frac{18}{17} \times \frac{35}{17}$	1.76	

Ring - 94  
 Planet, short (3)-3  
 Planet, long (3)-2  
 Sun, low - 2  
 Sun, input-3

278. Overdrive - type NA

279. Forward gears on which overdrive can be selected

280. Overdrive - ratio

FINAL DRIVE

- (\*\*) 290. Type Hotchkiss
- (\*\*) 291. Differential - type Positraction
- (\*\*) 292. Limited Slip Differential (if fitted) - type ≠ Friction

293. Ratio	3.07	3.31	3.55	3.7	4.1	4.56	4.88
Teeth - number	43, 14	43, 13	39, 11	37, 10	41, 10	41, 9	39, 8

( / ) Specify friction or positive locking type

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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:

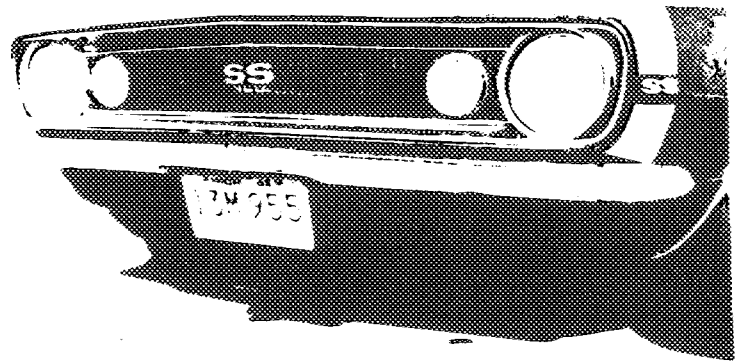
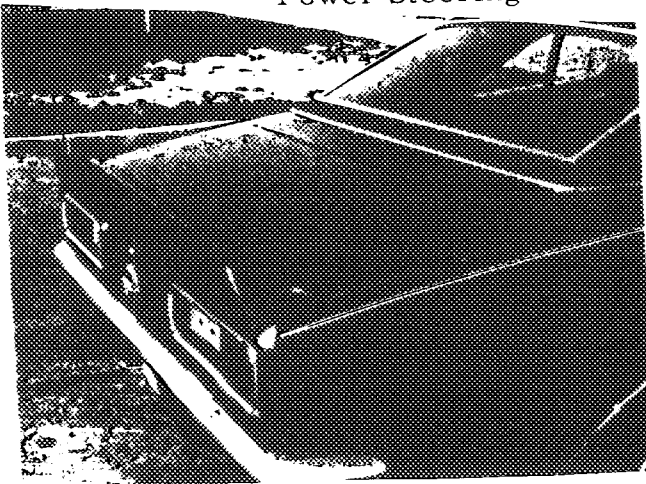
CATALOGUE PART NUMBER MUST BE GIVEN

50. WHEELS Cast Magnesium 7.00 x 15 inch. - 380 MM Dia x 178 MM wide - # 21570

Spoiler - Rear Deck Mounted 3916633 (see photo)

Front Valance - 3916673 (see photo)

Power Steering R. P. O. N-44 - Overall Ratio 15.6:1 3.0 Turns L to L



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Telephone: (203) 348-6233

Cable Address: "ACCUSFIA" Stamford, Conn.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, 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	70-82	6-7
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		

CONVERSION TABLE:

1 inch / pouce	2.54 cm	
1 foot / pied	30.479 cm	
1 square inch / pouce carre	6.452 cm <sup>2</sup>	
1 cubic inch / pouce cube	16.387 cm <sup>3</sup>	
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.