



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

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

5158

Federation Internationale de l'Automobile
FORM OF RECOGNITION

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

Cylinder capacity 5735.45 cm3 350 in3

Manufacturer CHEVROLET Model Camaro 12437

Serial # Chassis 124377N100001 Manufacturer Chevrolet

Serial # Engine F - MS Manufacturer Chevrolet

Recognition valid from _____ List _____

The manufacturing of the model described in this recognition form was started on Aug. 15 and the minimum production of 5000 identical cars, in accordance with the specifications of this form, was reached on Oct. 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	<u>19</u>	rec #	<u>list</u>
on	<u>19</u>	rec #	<u>list</u>
on	<u>19</u>	rec #	<u>list</u>

Normal evolution of the type

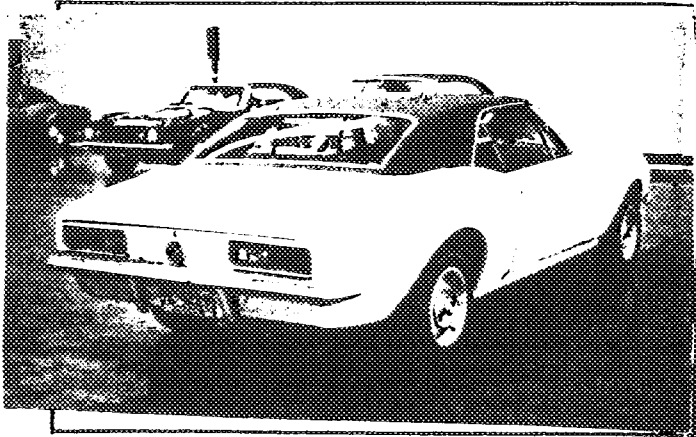
on	<u>19</u>	rec #	<u>list</u>
on	<u>19</u>	rec #	<u>list</u>
on	<u>19</u>	rec #	<u>list</u>

Stamp/Signature of
National Sporting Authority

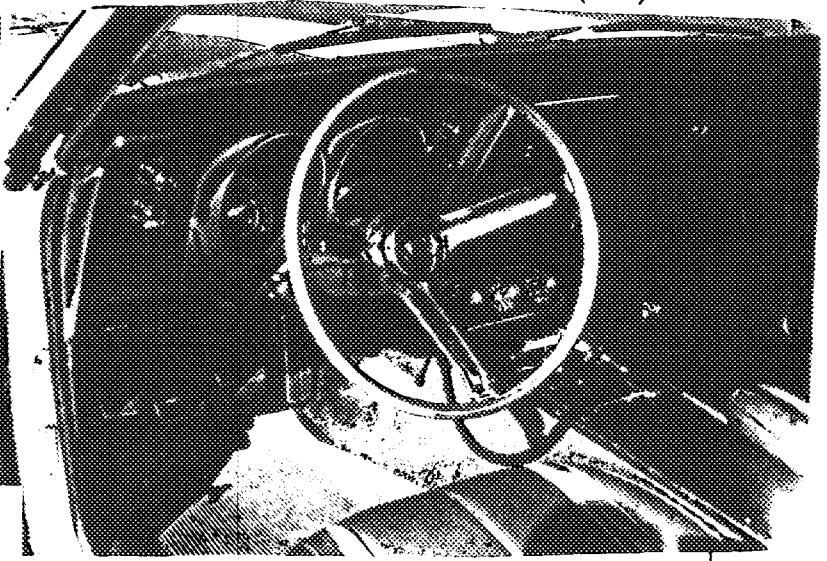
John V. Oliveira
JOHN V. OLIVEIRA
TECHNICAL DIRECTOR
FOCUS, F.I.A., INC.

Stamp/Signature
F.I.A.

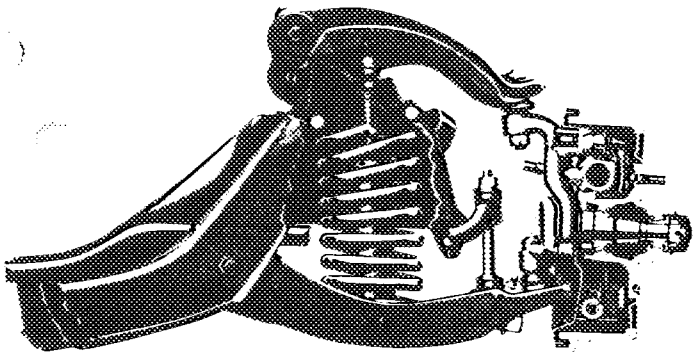
B 3/4 rear car (**)



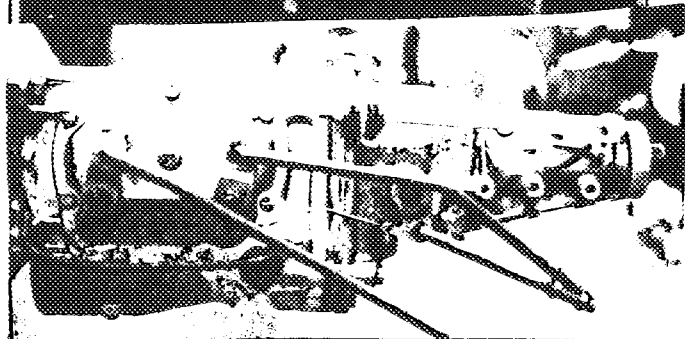
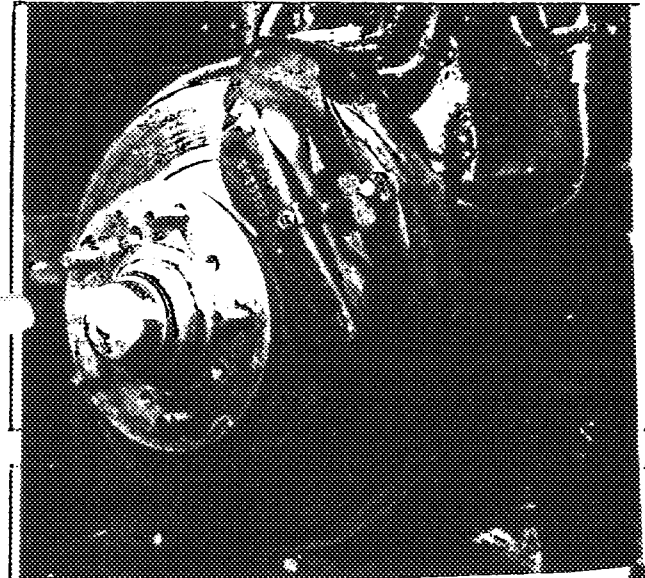
C interior-car (**)



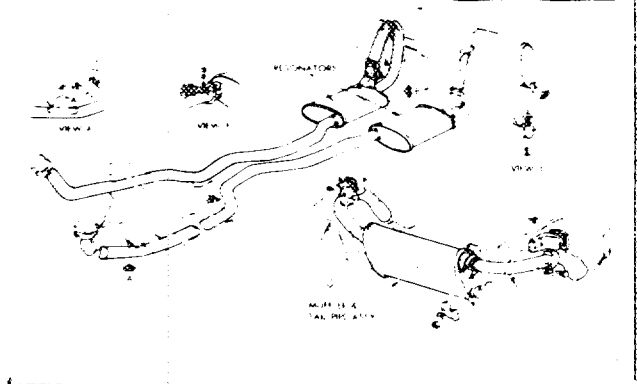
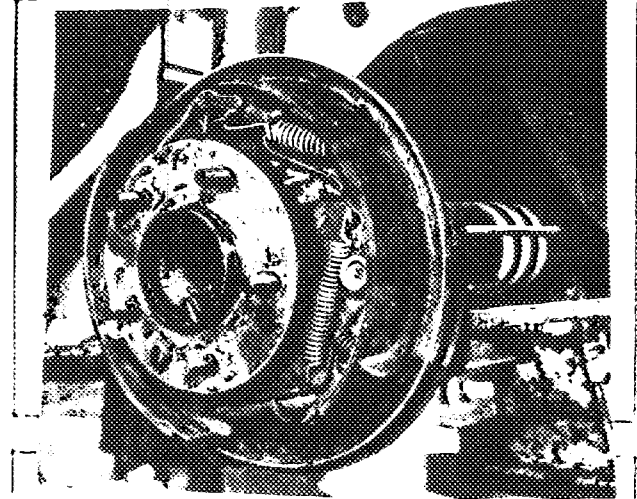
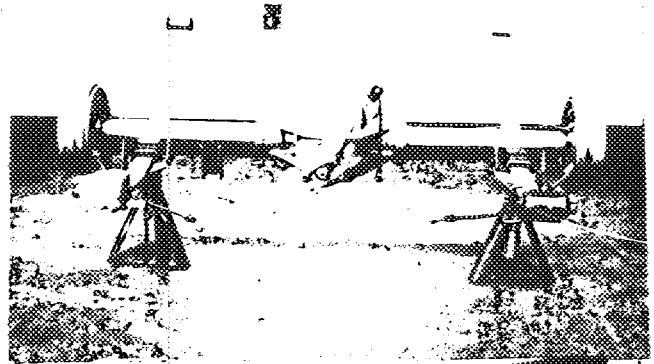
D front axle (**)



F brake, front (**)

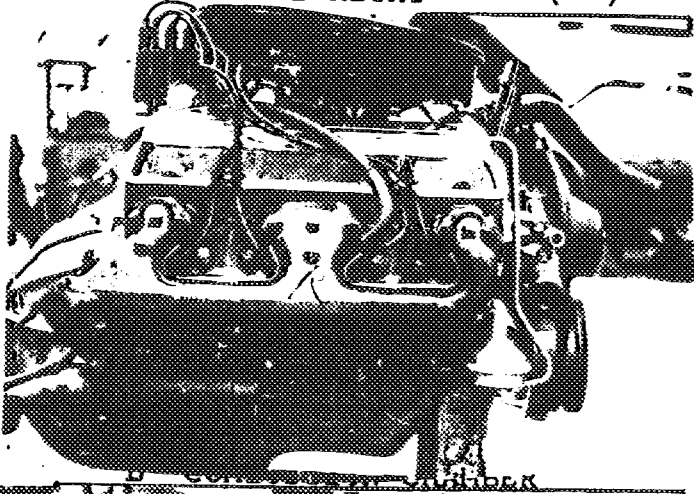


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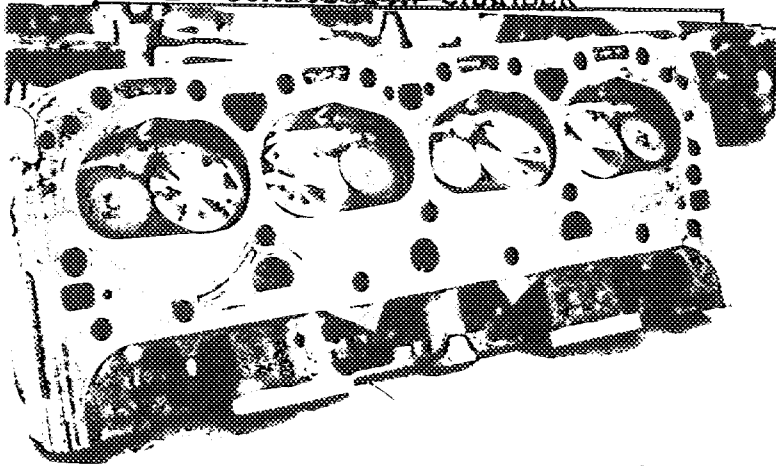
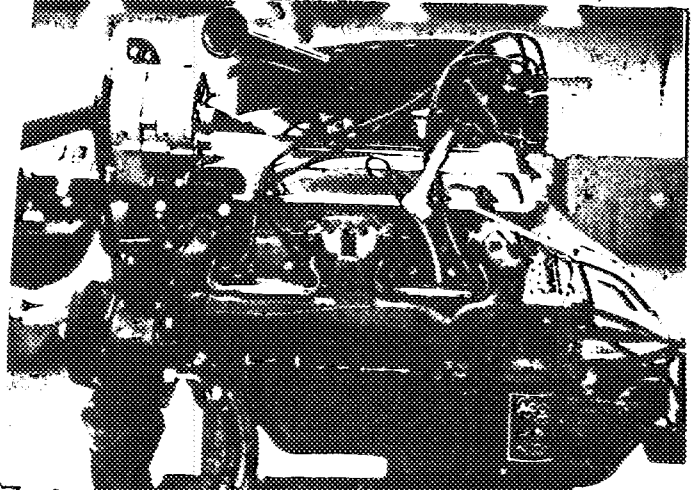


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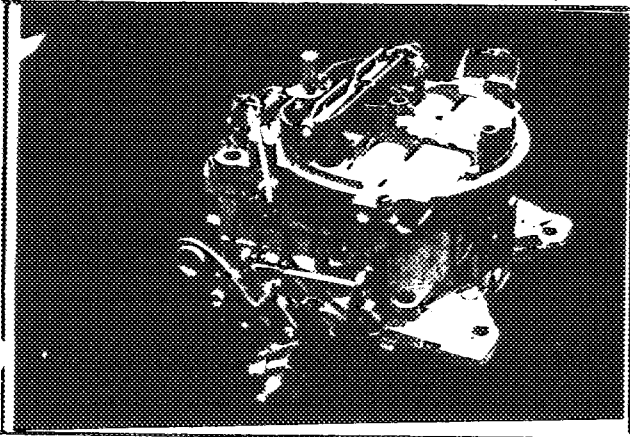
J ENGINE RIGHT (**)



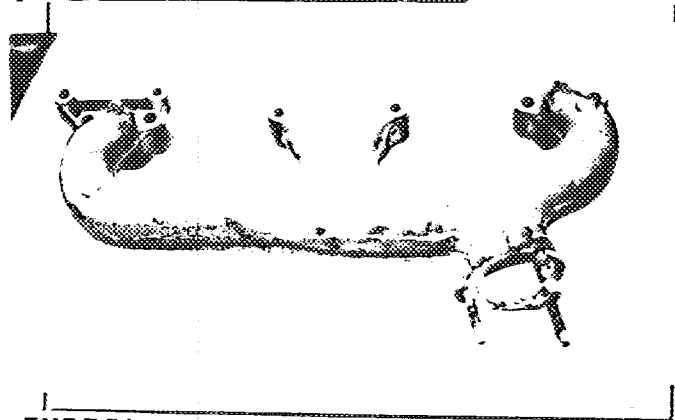
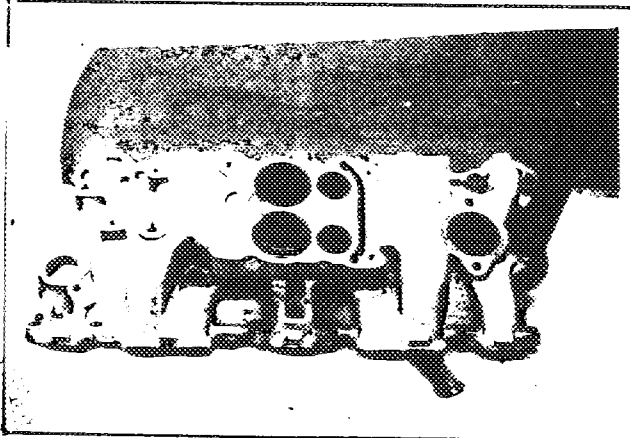
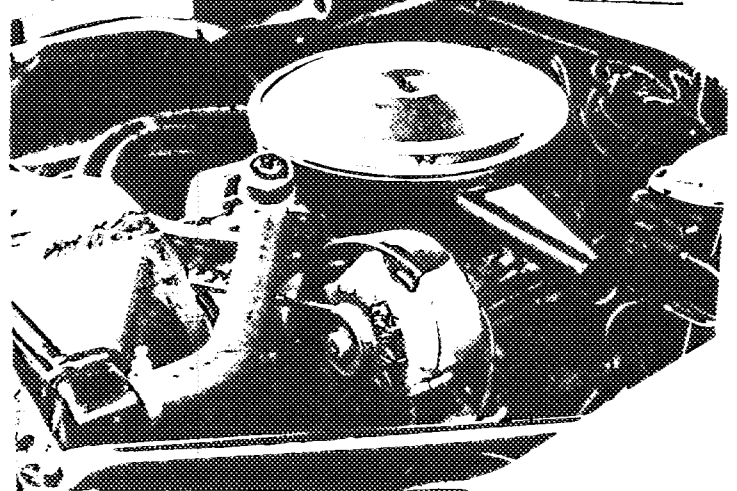
K ENGINE LEFT (**)



O ENGINE IN PLACE (**)



P MANIFOLD INLET



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

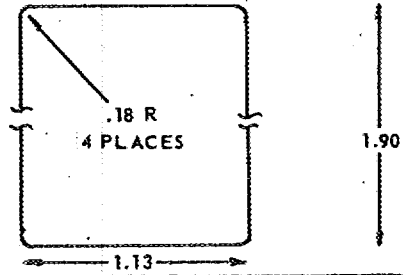
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ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES.

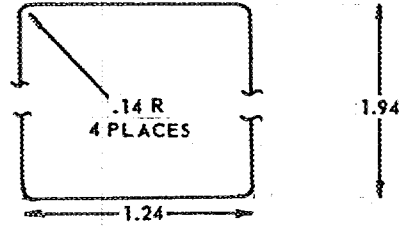
*Inlet

Manifold
Porting
Cyl.
Head
Face



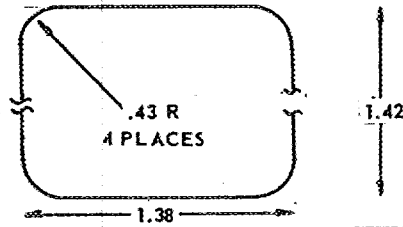
*Cylinder

Head
Porting
Inlet
Face



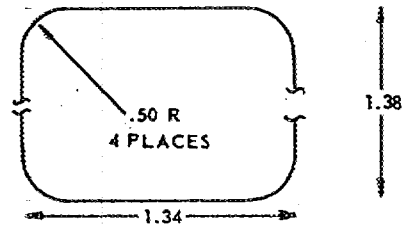
*Exhaust

Manifold
Porting
Cyl. Head
Face

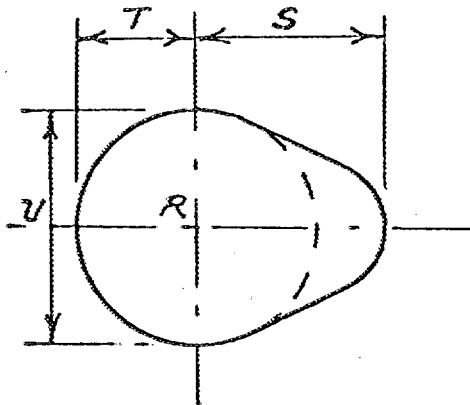


*Cylinder

Head
Porting
Exhaust
Face



CAM



Inlet cam

S=	22.96/22.91	mm	.9040/.9020	in
T=	16.36/16.31	mm	.6440/.6420	in
U=	30.27/32.61	mm	1.2880/1.2840	in

Exhaust cam

S=	22.94/22.89	mm	.90333/.90133	in
T=	16.00/15.95	mm	.6300/.6280	in
U=	32.00/31.90	mm	1.2600/1.2560	in

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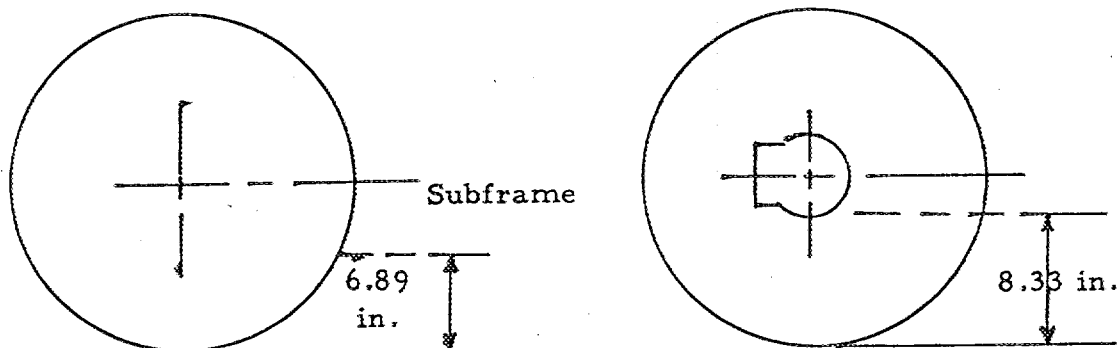
IMPORTANT: Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system. See conversion table at index.

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) 68.5ltrs.
18.0 gallons US 14.5 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. 1256.5 kg 2770 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 Steel separate construction Body frame integral; & separate frame.
- (**) 23. Body - material/s Steel separate construction
- (**) 24. Doors - number 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 (No Rear Door)
31. Windows - actuating system WINDOWS - 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 Bucket, Vinyl
42. Seats, front - weight
(complete with supports & rails out of car) 40.37 kg 89.0 lbs
- CHECK: BENCH _____ BUCKET CONSOLE INCLUDED No
43. Seats, rear - type of seat and upholstery Bench, Vinyl trimmed
44. Bumper, front - material/s Steel kg 9.62 lbs 21.2 Weight
45. Bumper, rear - material/s Steel kg 7.35c lbs 16.2 Weight

WHEELS

50. Type Pressed Steel
51. Weight (per wheel, without tire) 8.16kg 18 lbs
52. Method of attachment
53. Rim, diameter 355.6 mm 14.0 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 Link, Steel



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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 Optional
- 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 22.33 mm .875 in
(indicate stepped bore dimensions if applicable)

Drum Brakes

		Front	Rear
95. Diameter, inside	241.3	mm 9.5 in	241.3 mm 9.5 in
96. Linings, length	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 ² 246.9 in ²	2419.5 mm ² 37.5 in ²

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 ² 221.6 in ²	mm ² in ²

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MAKE Chevrolet Camaro

MODEL 12437

FIA REC # 5158

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 101.6 mm 4.00 in
- (**) 134. Stroke 88.39 mm 3.48 in
- (**) 135. Cylinders - capacity 716.93 cm3 43.75 in3
- (**) 136. Cylinders, total capacity 5735.45 cm3 350 in3
- (**) 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 10.25:1
- (*) 143. Combustion chamber - volume 78.49 cm3 4.79 in3
- (*) 144. Piston - material/s Aluminum alloy
- (*) 145. Rings - number 3 (2 compression, 1 oil)
- (*) 146. Distance from gudgeon pin centre line to highest point of piston crown 39.75 mm 1.565 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 (Pen) + 1 Qt (Filter)
- (*) 153. Cooler, oil - yes no
154. Cooling - method Water
155. Cooling - capacity of system 17,028 ltrs 18 pts 18 qts US



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- (*) 156. Fan, cooling (if fitted) - diameter cm 17.62 in
 (*) 157. Fan, cooling - number of blades 4 material/s Steel

BEARINGS

- (**) 158. Crankshaft, main - type Aluminum on Steel diameter 58.42 mm 2.30 in
 (**) 159. Connecting rod, big end - type diameter 53.304 mm 2.099 in

WEIGHTS

- (*) 160. Flywheel (clean) 12.31 kg 27.13 lbs
 (*) 161. Flywheel with clutch (all rotating parts) 18.84 kg 41.53 lbs
 (*) 162. Crankshaft 29.48 kg 65.00 lbs
 163. Connecting Rod 5.897 kg 1,300 lbs
 (*) 164. Piston with rings & pin 7.801 kg 1,720 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 Push Rod

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

180. Inlet manifold - materials Cast Alloy Iron
 181. Valves (overall) - diameter 49.27 mm 1.94 in
 (*) 182. Valve lift - maximum 9.906 mm .3900 in
 183. Springs, valve - number One per valve + One damper per valve
 184. Spring - type Coil
 (**) 185. Valves, per cylinder - number One
 (*) 186. Tappet - clearance for checking timing (cold) mm .0000 in
 (*) 187. Valves - open at (with tolerance for tappet clearance indicated) 38°
 (*) 188. Valves - close at (with tolerance for tappet clearance indicated) 92°
 (*) 189. Air filter - type Oil Wetted Paper

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EXHAUST (See Photo Q)

195. Manifold, exhaust - material/s Cast Iron
196. Valves (overall) - diameter 38.10 mm 1.50 in
197. Valve, lift - maximum 10.414 mm .410 in
198. Valve Springs/valve - number One per valve + One damper per valve
199. Springs - type Coil
- (**) 200. Valves - number per cylinder One
- (*) 201. Tappet - clearance for checking timing (cold)
mm .0000 in
- (*) 202. Valves - open at (with tolerance for tappet) 88°
clearance indicated)
- (*) 203. Valves - close at (with tolerance for tappet) 52°
clearance indicated)

CARBURETION (See Photo N)

210. Carburetors, fitted - number One
211. Type Downdraft
- (*) 212. Make Rochester
- (*) 213. Model Quadrajets #7027213
214. Carburetors - number of mixture passages Four
- (*) 215. Carburetor - flange hole diameter of exit port
38.10 mm 1.50 in
216. Venturi - throat diameter+ 27.69 mm 1.09 in Primary
Air Valve-Secondary

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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Gear Box (Photo H)

- (**) 270. Manual type - make Chevrolet
- (**) 271. Ratios, forward - number 3-(3 Spd) 4-(4 Spd)
- 272. Ratios, forward - number synchronized 3-(3 Spd) 4-(4 Spd):
(a)-Strg. Colm. -3-Spd
- 273. Gear-Shift - location(a) (b) optional (b)-Floor-3-Spd.HD & 4-Spd
- (**) 274. Automatic - make Chevrolet type Three element, Torque converter
(optional)
- (**) 275. Ratios, forward - number 2 (low & drive)
- 276. Gear-Shift - location Strg. Column; Floor Console optional
3-Speed 4-Speed 3-Spd.H.D. Automatic

	Manual		Automatic Mn'l.		Alternative manual/automatic		Automatic	
277.	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	2.54	$\frac{25}{19} \times \frac{29}{15}$	2.52	$\frac{25}{21} \times \frac{36}{17}$	2.41	$\frac{27}{21} \times \frac{30}{16}$	1.76	See below
2	1.50	$\frac{25}{19} \times \frac{24}{21}$	1.88	$\frac{25}{21} \times \frac{30}{19}$	1.57	$\frac{27}{21} \times \frac{28}{23}$		
3	1.00		1.47	$\frac{25}{21} \times \frac{27}{22}$	1.00		1.76	
4			1.00					
5								
6								
reverse	2.63	$\frac{25}{19} \times \frac{17}{14} \times \frac{28}{17}$	2.59	$\frac{25}{21} \times \frac{18}{17} \times \frac{35}{17}$	2.41	$\frac{27}{21} \times \frac{20}{16} \times \frac{30}{20}$	1.76	

Ring - 94
Planet, short (3)-34
Planet, long (3)-21
Sun, low - 26
Sun, Input - 34

- 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	3.73	4.10	4.56	4.88
Teeth - number	43, 14	43, 13	39, 11	37, 10	41, 10	41, 9

(/) Specify friction or positive locking type

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MAKE Chevrolet Camaro

MODEL 12437

FIA REC # 5158

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

Reinforcement - #3914859 - positioned under front cross member
Front to rear front
cross member

Power Steering N-44

Metallic Brakes J-65

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MAKE Chevrolet Camaro

MODEL 12437

FIA REC # 5158

Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN

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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

STANDARD CERTIFICATE OF PRODUCTION

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

Name of Manufacturer Chevrolet

Make of Car Camaro Model 12437

We certify that 5000 cars identical with the basic specification, as well as 5000 cars as modified by the listed optional equipment (when required by Appendix "J"), were completed as of 10-1-66.

Cars conforming to this specification may be identified by chassis numbers 124376N100001, and engine numbers F-MS1020.

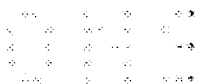
Signed:

W. B. Swell

[Signature]

Certified:

1. 7. 67
ACCUS, FIA, Inc.



MAKE Chevrolet Camaro

MODEL 12437

FIA REC # 5158



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 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.