MAKE Chevrolet Camaro MODEL 12437 - 396 FIA REC # 5201

GR 1

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

CONVERSION TABLE:

1 inch / pouce	2.54 cm	
1 foot / pied	30.479 cm	
1 square inch / pouce carre	6.452 cm2	
1 cubic inch / pouce cube	16.387 cm3	
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.

1.1.1968

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Cylinder capacity 6492. cm3 396 in3

Manufacturer Chevrolet Model Camaro 12437

Serial # Chassis 124378N100001 Manufacturer Chevrolet

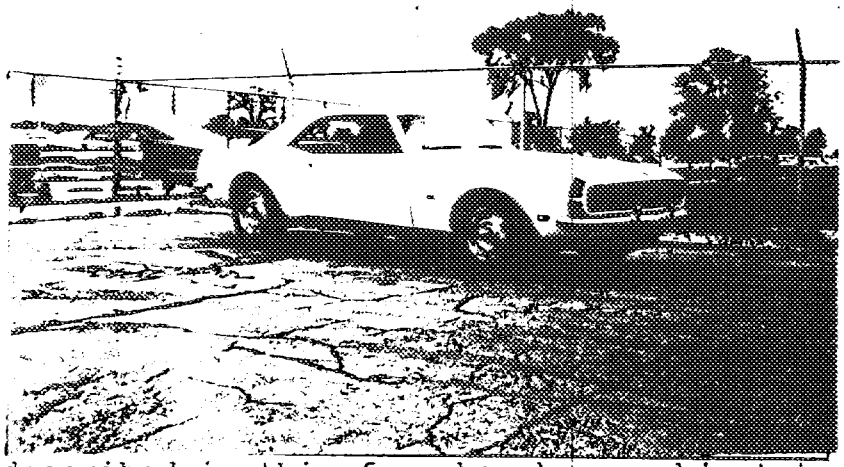
Serial # Engine T1001MQ Manufacturer Chevrolet

Recognition valid from _____ List _____

The manufacturing of the model described in this recognition form was started on August 15 and the minimum production of 5000 identical cars, in accordance with the specifications of this form, was reached on October 1, 19 67.

(*) 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

Stamp/Signature F.I.A.

1.1.68

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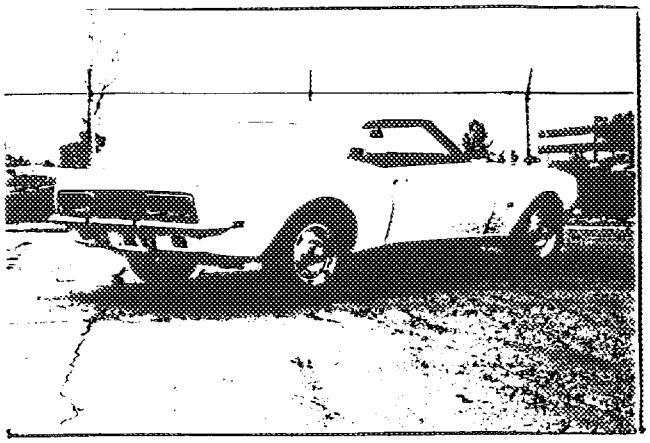
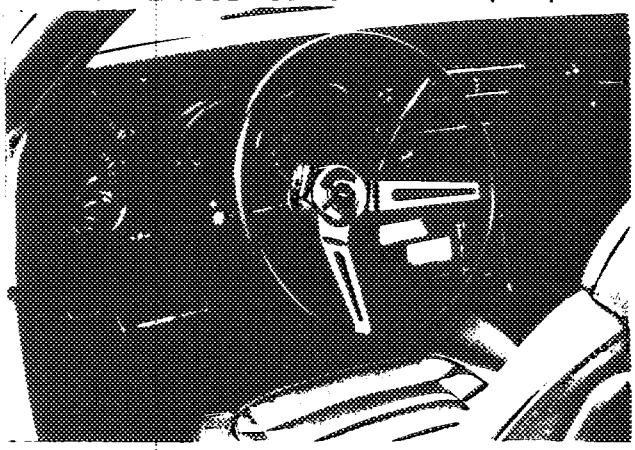
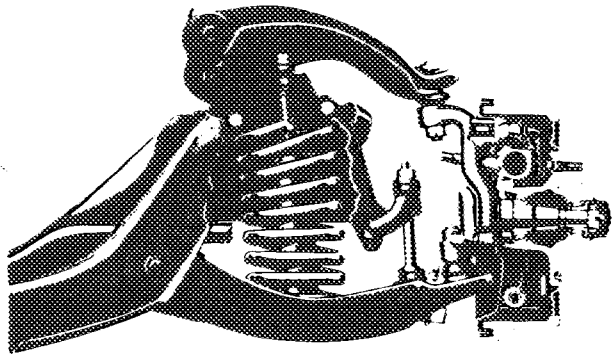
B 3/4 rear car (**)



C interior-car (**)

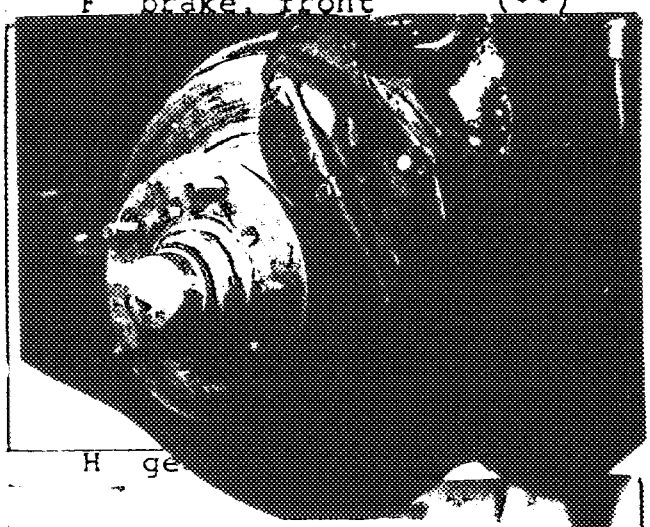


D front axle (**)

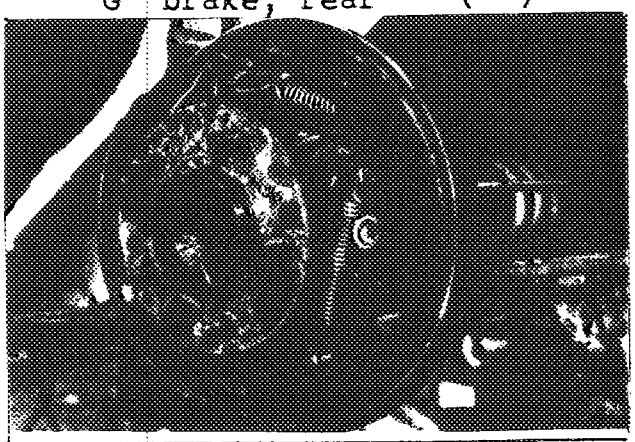


E rear axle (**)

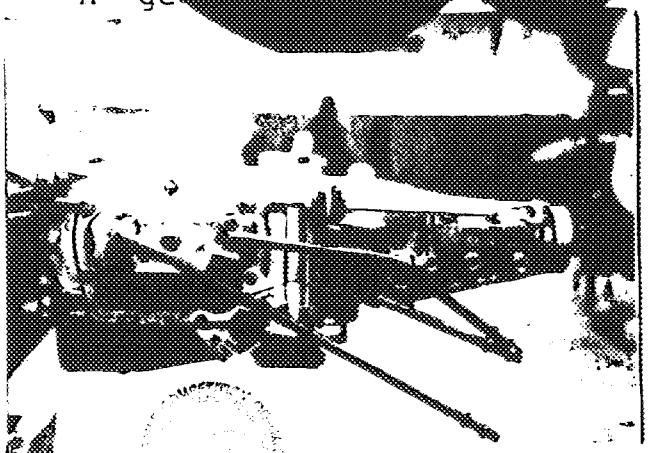
F brake, front (**)



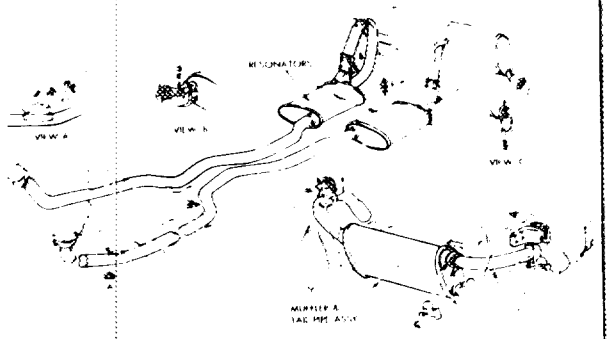
G brake, rear (**)



H ge



I exhaust system (*)



STAMP

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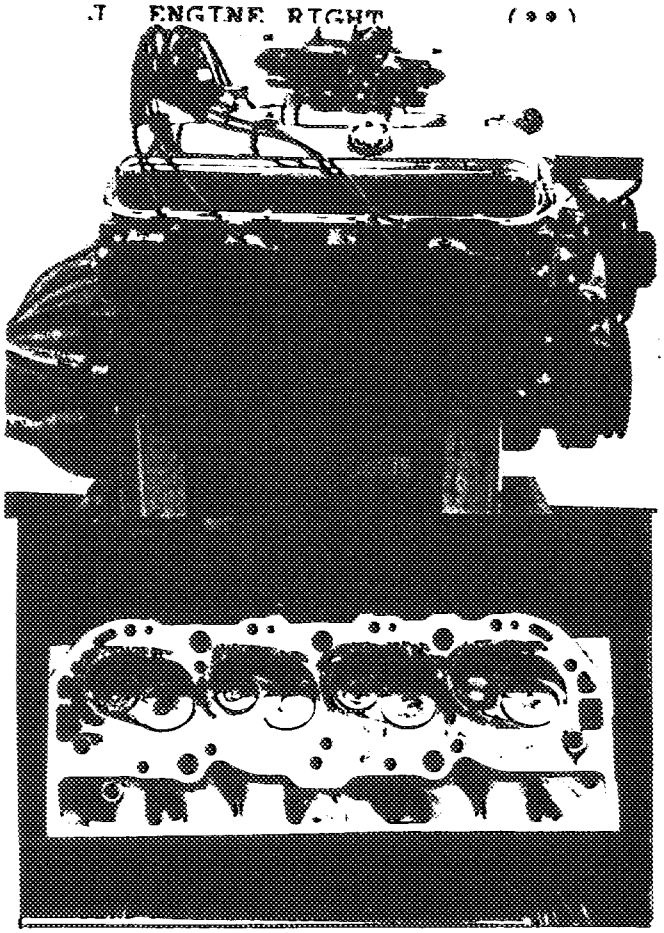
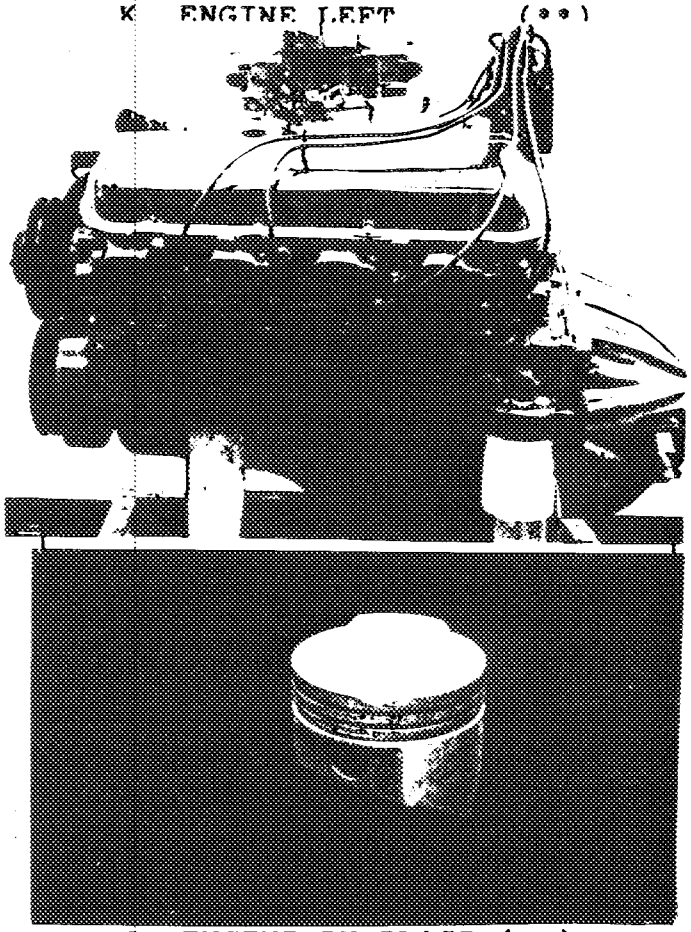
(2)

MAKE Chevrolet Camaro MODEL 12437 - 396 FIA REC # 5201

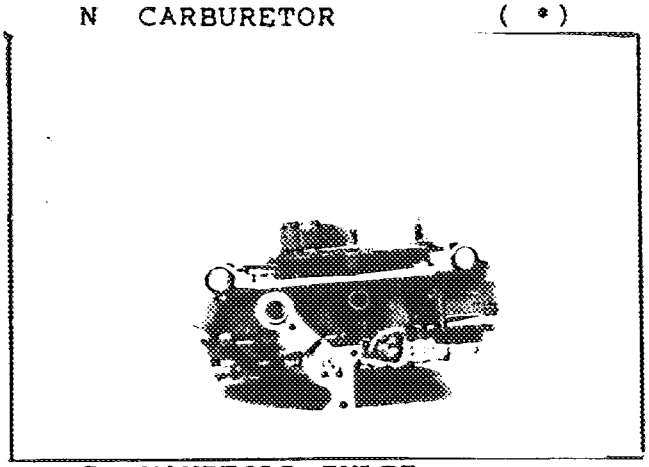
J ENGINE RIGHT (**)



K ENGINE LEFT (**)



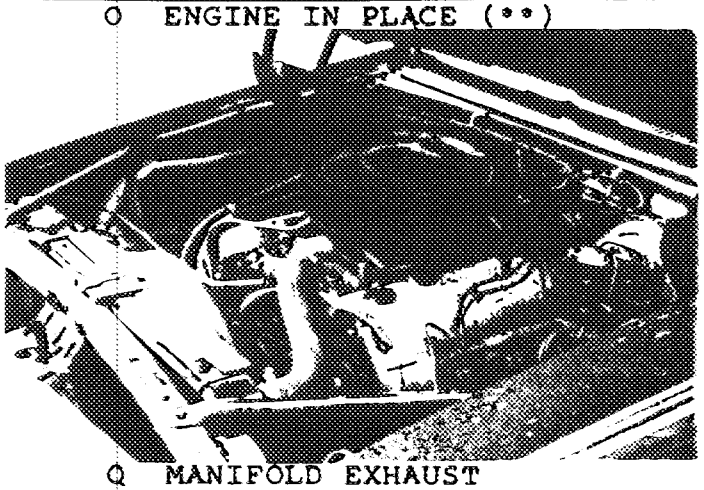
N CARBURETOR (*)

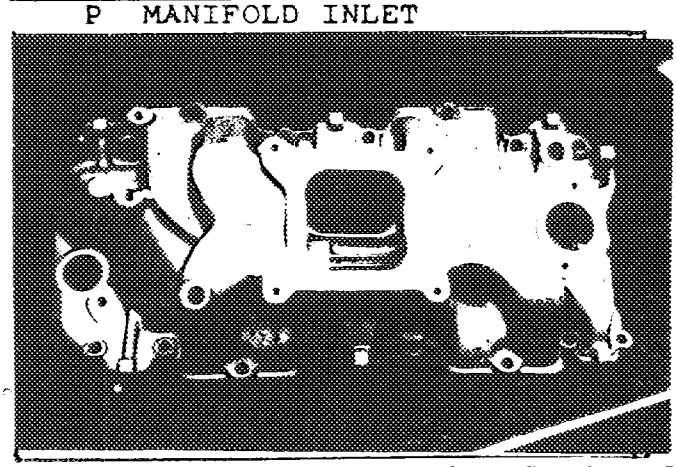


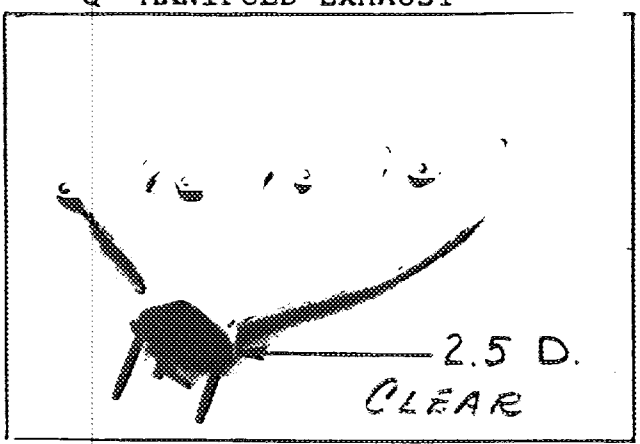
O ENGINE IN PLACE (**)

P MANIFOLD INLET

Q MANIFOLD EXHAUST







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

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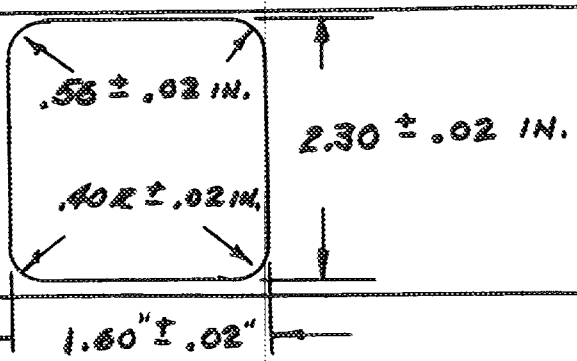
MAKE Chevrolet Camaro MODEL 12437-396 FIA REC # 5201

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

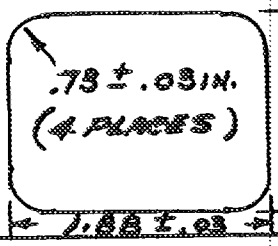
*Inlet Manifold Porting Cyl. Head Face



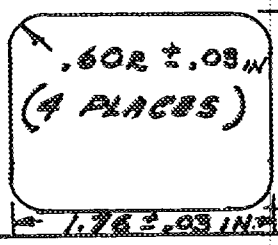
*Cylinder Head Porting Inlet Face

Same dimension as above except tolerances ±.03

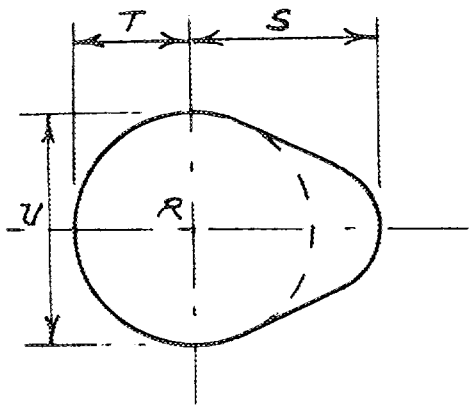
*Exhaust Manifold Porting Cyl. Head Face



*Cylinder Head Porting Exhaust Face



CAM



Inlet cam

S=	mm	.945	in
T=	mm	.615	in
U=	mm	1.230	in

Exhaust cam

S=	mm	.945	in
T=	mm	.604	in
U=	mm	1.208	in

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MAKE Chevrolet Camaro MODEL 12437 - 396 FIA REC # 5201

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.

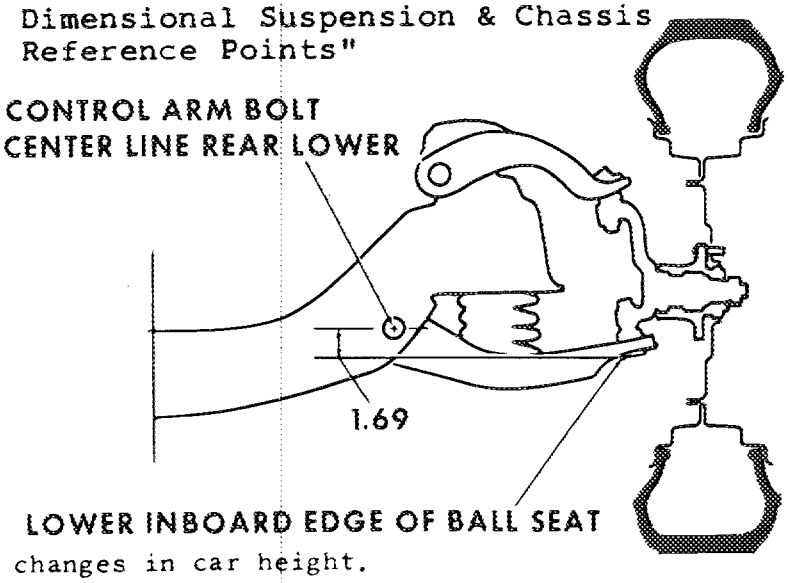
CAPACITIES & DIMENSIONS

(**) 1.	Wheelbase		2743.2	mm	108.0 in
(**) 2.	Front track	W/6.00 Rim	1504.9	mm	59.25 in +
(**) 3.	Rear track	W/6.00 Rim	1479.5	mm	58.25 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"



NOTE: Rear track unaffected by changes in car height.

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) 70.0 or 140.0 ltrs.
18 gal - 37 gal (opt.) gallons US 15.4 or 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. 1254 kg 2765 lbs

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MAKE Camaro MODEL 12437-396 FIA REC # 02001

CHASSIS & BODYWORK - Photos A, B, C

(**) 20. Chassis/body construction - separate/unit construction - unit
(**) 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 X no
(*) 41. Seats, front - type of seat and upholstery - vinyl
42. Seats, front - weight (complete with supports & rails out of car) 17.5 kg 38.6 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 21.3 Weight
45. Bumper, rear - material/s steel kg 7.3 lbs 16.2 Weight

WHEELS

50. Type pressed steel
51. Weight (per wheel, without tire) kg 7.3 lbs 16.2
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

STEERING

60. Type Recirculating ball
61. Servo assistance hydraulic - engine driven vane pump
62. Number of turns of steering wheel from lock to lock 3.5
63. In case of servo assistance 3.0

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MAKE Chevrolet Camaro MODEL 12437-396 FIA REC # 520

SUSPENSION

(**) 70. Suspension, front (photo D) - type short and long arm independent

(**) 71. Spring - type coil

(*) 72. Stabilizer - if fitted Link with bar

73. Shock absorbers - number two (2)

74. Type direct acting - tubular

(**) 78. Suspension, rear (photo E) - type Hotchkiss

(**) 79. Spring - type leaf

(*) 80. Stabilizer - if fitted

81. Shock absorbers - number two (2)

82. Type direct acting tubular

BRAKES (Photos E and F)

(**) 90. Method of operation hydraulic

(*) 91. Power assisted (if fitted) - type Integral vacuum powered

92. Master Cylinders - number and type (indicate if duplex master cylinder) one (1) - dual

	Front	Rear
93. Cylinders - number per wheel	4	1
94. Cylinders - wheel bore (indicate stepped bore dimensions if applicable)	47.62 mm 1.875 in	22.2 mm .875 in

Drum Brakes

	Front	Rear
95. Diameter, inside	mm in	241.3 mm 9.5 in
96. Linings, length	mm in	475.0 mm 18.7 in
97. Linings, width	mm in	50.8 mm 2.0 in
98. Shoes - number per brake		
99. Area, total - per brake	mm2 in2	2419.5 mm2 37.5 in2

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	5.9 in	mm	in
103. Lining - width	56.1 mm	2.2 in	mm	in
104. Pads - number per brake two (2)				
105. Area, total - per brake	1303.6 mm2	21.4 in2	mm2	in2

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MAKE Chevrolet Camaro MODEL 12437-396 FIA REC # 5201

ENGINE (Photos J and K)

(**)	130.	Cycle	two	four	X	Wankel	
(**)	131.	Cylinders - number	eight (8)				
(**)	132.	Cylinders - arrangement	Vee	Wankel - # of elements and basic dimensions			
(**)	133.	Bore	103.98	mm	4.094	in	
(**)	134.	Stroke	95.51	mm	3.76	in	
(**)	135.	Cylinders - capacity	811.2	cm3	49.5	in3	
(**)	136.	Cylinders, total capacity	6490.8	cm3	396	in3	
(**)	137.	Cylinder Block - material/s	cast iron				
(**)	138.	Sleeves - material/s (if fitted)	none				
(**)	139.	Head, cylinder - material/s	aluminum/c.i.	number fitted	two (2)		
(**)	140.	Port, inlet - number	eight (8)				
(**)	141.	Port, exhaust - number	eight (8)				
(*)	142.	Compression - ratio	11.55:1				
(*)	143.	Combustion chamber - volume	In head	cm3	106.9	in3	6.52.
(*)	144.	Piston - material/s	Impact extruded aluminum				
(*)	145.	Rings - number	2 comp. 1-oil				
(*)	146.	Distance from gudgeon pin centre line to highest point of piston crown	5.79	mm	2.28	in	
(**)	147.	Crankshaft - cast-forged-mach from solid - forged					
(**)	148.	Crankshaft - type - integral X - 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 X					
	152.	Lubricant - capacity	6.62	ltrs	14	pts	7 qts US
(*)	153.	Cooler, oil - yes X no (Optional)					
	154.	Cooling - method	water				
	155.	Cooling - capacity of system	22.7	ltrs	48	pts	24 qts US

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MAKE Chevrolet Camaro MODEL 12437-396 FIA REC # 5201

(*) 156. Fan, cooling (if fitted) - diameter 45.72 cm 18.0 in

(*) 157. Fan, cooling - number of blades 5 material/s

BEARINGS

(**) 158. Crankshaft, main - type insert diameter 69.85 mm 2.75 in

(**) 159. Connecting rod, big end - type insert diameter 55.9 mm 2.201 in

WEIGHTS

(*) 160. Flywheel (clean) kg 28.820 lbs

(*) 161. Flywheel with clutch (all rotating parts) kg 50.231 lbs

(*) 162. Crankshaft kg 67.75 lbs

163. Connecting Rod .626 kg 1.38 lbs

(*) 164. Piston with rings & pin kg 1.918 lbs

FOUR CYCLE ENGINES

(**) 170. Camshafts - number one (1) material/s cast alloy iron

(**) 171. Camshaft - location cylinder block

(**) 172. Camshaft Drive, type chain and sprocket - gear opt.

(**) 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 55.8 mm 2.20 in

(*) 182. Valve lift - maximum 13.2 mm .520 in

183. Springs, valve - number 8 + 8 inner with dampers

184. Spring - type coil

(**) 185. Valves, per cylinder - number one (1)

(*) 186. Tappet - clearance for checking timing (cold) .051 mm .020 in

(*) 187. Valves - open at (with tolerance for tappet clearance indicated) 54° BTC

(*) 188. Valves - close at (with tolerance for tappet clearance indicated) 102° ABC

(*) 189. Air filter - type Paper

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EXHAUST (See Photo Q)

195. Manifold, exhaust - material/s steel tubing

196. Valves (overall) - diameter 46.73 mm 1.84 in

197. Valve, lift - maximum 1.32 mm .520 in

198. Valve Springs/valve - number 8 + 8 inner with dampers

199. Springs - type coil

(**) 200. Valves - number per cylinder one (1)

(*) 201. Tappet - clearance for checking timing (cold) mm .020 in

(*) 202. Valves - open at (with tolerance for tappet clearance indicated) 102° BBC

(*) 203. Valves - close at (with tolerance for tappet clearance indicated) 54° ATC

CARBURETION (See Photo N)

210. Carburetors, fitted - number one (1)

211. Type downdraft

(*) 212. Make Holley

(*) 213. Model R-4055-A

214. Carburetors - number of mixture passages four (4)

(*) 215. Carburetor - flange hole diameter of exit port 42.86 mm 1.6875 in

216. Venturi - throat diameter+ 39.67 mm 1.562 in

INJECTION

220. Pump - make

221. Plungers - number N. A.

(*) 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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MAKE Chevrolet Camaro MODEL 12437-396 FIA REC #5201

ENGINE ACCESSORIES

(*) 230. Pump, fuel - mechanical and/or electrical

231. Number fitted one

232. Ignition system - type coil or transistor

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

238. Voltage, generator - volts 12

239. Battery - number one (1)

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 375 at 5600 rpm (indicate SAE or DIN)

(*) 251. RPM - maximum N.A. output at that figure N.A.

(*) 252. Torque - maximum 415 at 3600 rpm

(*) 253. Speed - maximum km/hour 186 miles/hour

DRIVE TRAIN

Clutch

260. Type dry plate

261. Plates - number of driven one (1)

262. Plates - diameter 26.416 cm 10.4 in

263. Linings - diameter - inside 16.51 cm 6.5 in

Linings - diameter - outside 26.41 cm 10.4 in

264. Method of operation mechanical

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MAKE Chevrolet Camaro MODEL 12437-396 FIA REC # 5201

Gear Box (Photo H)

(**) 270. Manual type - make Chevrolet

(**) 271. Ratios, forward - number four (4)

272. Ratios, forward - number synchronized four (4)

273. Gear-Shift - location floor optional

(**) 274. Automatic - make hydramatic type torque converter

(**) 275. Ratios, forward - number three (3)

276. Gear-Shift - location floor

277.	Manual Ratio	Manual # Teeth	Automatic Ratio	Automatic # Teeth	Alternative manual/automatic Ratio	Alternative manual/automatic # Teeth	Ratio	# Teeth
1	2.20	$\frac{27}{26} \times \frac{36}{17}$	2.48	torque converter ratio at stall 2.04	2.52	$\frac{25}{21} \times \frac{36}{17}$	2,34	$\frac{27}{26} \times \frac{36}{16}$
2	1.64	$\frac{27}{26} \times \frac{30}{19}$	1.48		1.88	$\frac{25}{21} \times \frac{30}{19}$	1.53	$\frac{27}{26} \times \frac{28}{19}$
3	1.27	$\frac{27}{26} \times \frac{27}{22}$	1.00		1.47	$\frac{25}{21} \times \frac{27}{22}$	1.18	$\frac{27}{26} \times \frac{25}{22}$
4	1.00	---			1.00	---	1.00	
5								
6								
reverse	2.26	X	2.08		2.59	$\frac{25}{21} X \frac{18}{17} X \frac{35}{17}$	2.26	

278. Overdrive - type N. A.

279. Forward gears on which overdrive can be selected

280. Overdrive - ratio

FINAL DRIVE

(**) 290. Type Hypoid

(**) 291. Differential - type positraction

(**) 292. Limited Slip Differential (if fitted) - type ≠ friction

293. Ratio 2.73 3.07 3.31 3.55 3.7 4.1 4.56 4.88
Teeth - number 41/15 43/14 43/13 39/11 37/10 41/10 41/9 39/8

(≠) Specify friction or positive locking type

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MAKE Chevrolet Camaro MODEL 12437-396 FIA REC #5201

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

Optional Axle Ratios

Part # 3931564 - 3.23 Differential ratio 13/42
3931565 - 3.42 Differential ratio 12/41
3931566 - 3.90 Differential ratio 10/39
3931567 - 4.33 Differential ratio 9/39

Optional Auxiliary Fuel Tank

Part # 3938924 - 37 gallon capacity (see page 5)

Optional Wheels	Track Front	Track Rear
Part # 3931546 - 15" X 7" 381 mm X 178 mm	61.5	60.5
3931547 - 15" X 8" 381 mm X 203.2 mm	61.5	60.5
3940095 - 15" X 9" 381 mm X 228.6 mm	61.5	60.5

Bucket Seats (Items 41 and 42) optional
Part # 3931548 - Weight comp. out of car 9.97 K6 - 22.0 lbs.

Optional-Air Cleaner & Duct Assy
Part # 6424495 - Cleaner
3916621 - Duct

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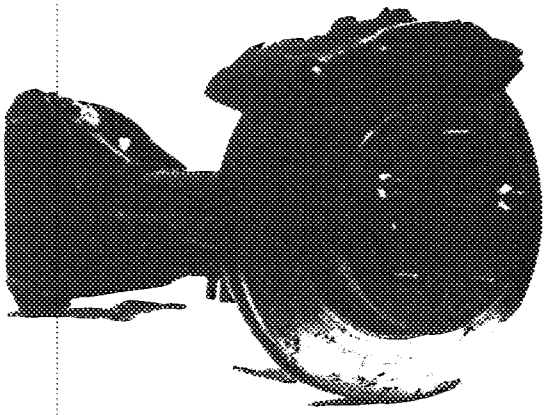
MAKE Chevrolet Camaro MODEL 12437 REC. NO. 5201 E

F. Brake Front

G. Brake Rear



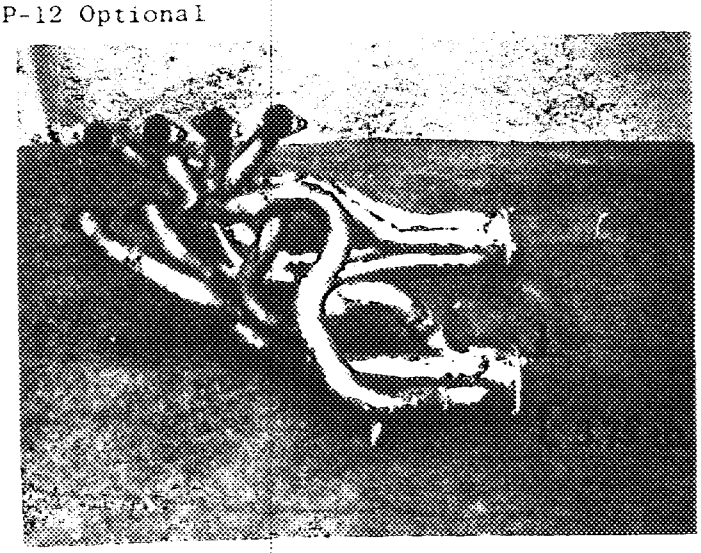
RPO J 56 Heavy Duty Disc Brakes - Optional

Item							
93.	Cylinders - Number per wheel - Front - 4 Rear - 4						
94.	Cylinders - Wheel Bore - Front 1.875 in. 47.6 MM Rear 1.375 in. 35.0 MM						
		Front			Rear		
100.	Disc Dia. outside	11.75 in.	-	298.4 MM	11.75 in.	-	298.4 MM
101.	Thickness of Disc	1.25 in.	-	31.75MM	1.25 in.	-	31.75MM
102.	Lining Length	5.96 in.	-	151.4 MM	5.96 in.	-	151.4 MM
103.	Lining Width	2.21 in.	-	56.1 MM	2.21 in.	-	56.1 MM
104.	Pads - Number per Brake	2			2		
105.	Area, total - per brake	26.3 in^2	-	1696.8 MM^2	26.3 in^2	-	1696.8 MM^2

Item

230. Pump fuel - electrical #AC-EP-12 Optional

195. Fabricated exhaust manifolds #3940154 optional



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