AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, FIA, INC.
433 Main Street, Stamford, Conn. 06901
(203) 348-6233

FIA NO. 5478

GROUP 1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

FORM OF RECOGNITION
In accordance with Appendix "J" of the International Sporting Code

Cylinder Capacity _____ cm3 350 in3

Manufacturer Chevrolet Motor Div. GMC

Model Nova - 11427

Serial # Chassis 1 X27KW 100001

Manufacturer Chevrolet

Serial # Engine _____

Manufacturer Chevrolet

Recognition valid from _____

List _____

The manufacturing of the model described in this recognition form was started on _____ and the minimum production of _____ identical cars, in accordance with the specifications of this form, was reached on _____

A 3/4 Front View Car *

The following amendments apply to the vehicle identified above:

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 V Clucas

Stamp/Signature
F.I.A.

MAKE Chevrolet - Nova MODEL 11427 FIA REC # _____

IMPORTANT - Underlined items must be filled in, in both metric and English values. See Conversion Table below. SEE PAGE 10 FOR EXPLANATION OF SYMBOLS.

CAPACITIES AND DIMENSIONS

* 1.	Wheelbase:	2819.4	mm	111.0	inches
* 2.	Front track:	1506.22	mm	59.3	inches (1)
* 3.	Rear track:	1498.6	mm	59.0	inches (1)
4.	Overall length of car	481.076	cm	189.4	inches
5.	Overall width of car (at widest point)	183.896	cm	72.4	inches
5a	Overall width of car (at vertical plane through front wheels)	183.896	cm	72.4	in
5b	Overall width of car (at vertical plane through rear wheels)	179.07	cm	70.5	in
6.	Overall height of car	133.604	cm	52.6	inches
* 7.	Capacity of fuel tank (reserve included)	60.56	Litres	16.0	U.S.Gals.

8. Seating capacity: Five

* 9. Weight - Total weight of vehicle with normal equipment described on homologation sheet, all required lubricants and coolants and one spare wheel and tire, but without fuel or repair tools

1398.1405 kg 3083 lbs

(1) Specify ground clearance Front and Rear corresponding to Front and Rear track measurements shown above. Indicate by sketch below reference points on chassis or suspension where these dimensions are checked. These specifications are for the purpose of checking the track with specified wheel rim size with the suspension at reference setting. Differences in track resulting from use of different rim widths must be shown with suspension at reference setting. A sketch showing the rim widths superimposed is desirable.

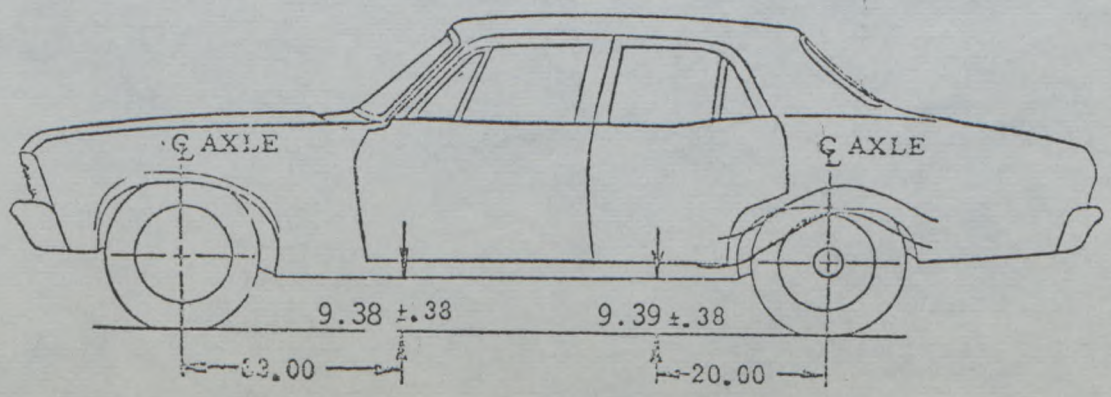


TABLE OF CONVERSIONS

1 inch ---------- 2.54 cm
1 foot ---------- 30.4794 cm
1 square inch ----- 6.452 cm^2
1 cubic inch ------ 16.387 cm^3

1 pound ---------- 453.593 gr
1 quart U.S. ----- 0.9464 ltrs
1 pint U.S. ------ 0.473 ltrs
1 gallon U.S. ---- 3.785 ltrs

MAKE Chevrolet - Nova MODEL 11427 FIA REC # _____

CHASSIS AND BODYWORK (Photos A, B and C)

* 20. Chassis/body construction: (separate) (unit construction)
* 21. Unit construction: material
* 22. Separate construction: material of chassis Steel
* 23. Material of body: Steel
* 24. Number of doors: Two Material: Steel
* 25. Material of hood: Steel
* 26. Material of trunk lid: Steel
27. Material of rear window: Safety Glass
28. Material of windshield: Safety Glass
29. Material of front door windows: Safety Glass
30. Material of rear door windows: None
31. Windows, actuating system: Crank
32. Material of rear quarter window: Safety Glass

ACCESSORIES AND UPHOLSTERY

38. Heating, interior: (yes) (no)
39. Air conditioning: (yes) (no) Optional
40. Ventilation: (yes) (no)
(SP)41. Seats, front: Type of seat and upholstery Fabric & Vinyl
42. Seats, front: Weight (complete with supports and rails out of car) 16.782 kg 37.0 lbs
Check: Bench _____ Bucket X Console included _____
43. Seats, rear: Type of seat and upholstery Fabric & Vinyl
44. Bumper, front: Material: Steel Weight: 8.527 kg 18.80 lbs
45. Bumper, rear: Material: Steel Weight: 9.192 kg 20.265 lbs

WHEELS

50. Type: Pressed Steel
51. Weight: (per wheel, without tire) 9.977 kg 22.0 lbs
52. Method of attachment: 5 nuts
53. Rim diameter: 355.6 mm 14.0 inches
54. Rim width: 177.8 mm 7.0 inches

STEERING

60. Type: Recirculating ball bearing nut gear
61. Servo-assistance: (yes) (no) Optional
62. Number of turns of steering wheel from lock to lock: 5.65 turns
63. In case of servo-assistance: 2.23 turns

MAKE Chevrolet Nova MODEL 11427 FIA REC # _____

SUSPENSION

* 70. Front suspension (Photo D) type: Independent - upper & lower control arms
* 71. Type of spring: coil
(SP)72. Stabilizer (if fitted): torsion bar
73. Number of shock absorbers: One per wheel
74. Type: Tubular - direct acting

* 78. Rear suspension (Photo E) type: Solid axle
* 79. Type of spring: multi-leaf spring
(SP)80. Stabilizer (if fitted): torsion bar
81. Number of shock absorbers: one per wheel
82. Type: tubular-direct acting

BRAKES (Photos F and G)

* 90. Method of operation: hydraulic
(SP)91. Power assisted (if fitted,) type: vacuum assist
92. Number of master cylinders: one, dual - circuit

		Front One		Rear One	
93.	Number of cylinders per wheel:				
94.	Bore of wheel cylinder:	74.676 mm	2.94 in	72.225 mm	.875 in
(SP)	Drum Brakes:				
95.	Inside diameter:	____ mm	____ in	241.3 mm	9.5 in
96.	Length of brake linings:	____ mm	____ in	228,247 mm	9.01,9.75 in
97.	Width of brake linings:	____ mm	____ in	50.8 mm	2.00 in
98.	Number of shoes per brake: 2				
99.	Total area per brake:	____ mm^2	____ in^2	____ mm^2	59.7 in^2
(SP)	Disc Brakes:				
100.	Outside diameter	279.4 mm	11.0 in	____ mm	____ in
101.	Thickness of disc:	25.4 mm	1.0 in	____ mm	____ in
102.	Length of brake linings:	137.16 mm	5.4 in	____ mm	____ in
103.	Width of brake linings:	49.022 mm	1.93 in	____ mm	____ in
104.	Number of pads per brake: 2				
105.	Total area per brake:	____ mm^2	108.95 in^2	____ mm^2	____ in^2

MAKE Chevrolet - Nova MODEL 11427 FIA REC #

ENGINE (Photos J and K)

* 130.	Cycle:	Otto			
* 131.	Number of cylinders:	Eight			
* 132.	Cylinder arrangement:	V-8	Wankel: # of elements & basic dimensions-		
* 133.	Bore:	101.6	mm	4.00	inches
* 134.	Stroke:	88.392	mm	3.48	inches
* 135.	Capacity per cylinder:	696.4475	cm^3	42.5	cu in
* 136.	Total cylinder capacity:	5735.45	cm^3	350	cu in

* 137.	Material of cylinder block:	Cast iron			
* 138.	Material of sleeves (if fitted):	None			
* 139.	Cylinder head material:	Cast iron		Number fitted:	two
* 140.	Number of inlet ports:	Eight			
* 141.	Number of exhaust ports:	Eight			
(SP)142.	Compression ratio:	8.5:1			
(SP)143.	Volume of combustion chamber:	99.6329	cm^3	6.08	cu in
(SP)144.	Piston, material:	Aluminum			
(SP)145.	Number of rings:	Three			
(SP)146.	Distance from gudgeon pin centre line to highest point of piston crown:	39.624	mm	1.560	inches

* 147.	Crankshaft:	(cast)	(forged)		
* 148.	Crankshaft, type:	(integral)	(sectioned)		
* 149.	Crankshaft, number of main bearings:	Five (5)			
* 150.	Material of bearing cap:	Cast iron			
151.	System of lubrication:	(dry sump)	(oil in sump)		
152.	Lubricant capacity:	4.732 litres	____ pints	5.0	quarts U.S.
(SP)153.	Oil cooler:	(yes)	(no)		
* 154.	Method of engine cooling:	liquid			
155.	Capacity of cooling system:	15.142 litres	____ pints	16	quarts U.S.
(SP)156.	Cooling fan (if fitted) diameter:	45.72 cm	18.0	inches	
(SP)157.	Number of blades of cooling fan:	Four (4)			

BEARINGS

* 158.	Crankshaft, main, type:	Insert	Diameter:	62.1792 mm	2.448 inches
* 159.	Connecting rod, big end, type:		Diameter:	76.1746 mm	2.999 inches

WEIGHTS

(SP)160.	Flywheel (clean):	13.7484 kg	30.31 lbs
(SP)161.	Flywheel with clutch (all rotating parts):	23.3396 kg	51.455 lbs
(SP)162.	Crankshaft:	28.9755 kg	63.88 lbs
(SP)163.	Connecting Rod:	.8845 kg	1.950 lbs
(SP)164.	Piston with rings and pin:	.778819 kg	1.717 lbs

MAKE Chevrolet Nova MODEL 11427 FIA REC #

FOUR CYCLE ENGINES

* 170. Number of camshafts: One (1)
* 171. Location of camshaft: engine block
* 172. Type of camshaft drive: chain & gear
* 173. Type of valve operation: push rod

INLET (see Photo P) +

180. Material of inlet manifold: cast iron
181. Overall diameter of valves: 49.403 mm 1.945 inches
(SP)182. Maximum valve lift: 9.906 mm .3900 inches
183. Number of valve springs: Eight
184. Type of spring: Coil with damper
* 185. Number of valves per cylinder: two (2)
(SP)186. Tappet clearance for checking timing (cold) 0 mm 0 inches
(SP)187. Valves open at (with tolerance for tappet clearance indicated): 38°
(SP)188. Valves close at(with tolerance for tappet clearance indicated): 92°
(SP)189. Air filter: (wet) (dry) Cartridge type: (yes) (no)

EXHAUST (see Photo Q)

195. Material of exhaust manifold: Cast iron
196. Overall diameter of valves: 38.227 mm 1.505 inches
(SP)197. Maximum valve lift: 10.414 mm .4100 inches
198. Number of valve springs: Eight
199. Type of spring: coil with damper
* 200. Number of valves per cylinder: two (2)
(SP)201. Tappet clearance for checking timing (cold) 0 mm 0 inches
(SP)202. Valves open at (with tolerance for tappet clearance indicated): 88°
(SP)203. Valves close at(with tolerance for tappet clearance indicated): 52°
(SP)204. Inside diameter of exhaust manifold outlet: 2.04 inches

CARBURETION (see Photo N)

210. Number of carburetors fitted: one
(SP)211. Type: 4 barrel
(SP)212. Make: Rochester
(SP)213. Model: Quadrajet
214. Number of mixture passages per carburetor: four 35.052 1.38 pri
(SP)215. Flange hole diameter of exit port of carburetor: 57.15 mm 2.25 sec. inches
(SP)216. Depending on type of carburetor, indicate: diameter at throat of venturi/s at the plane of maximum restriction. Dimension of mixture passage at the point of maximum restriction with the piston in its maximum open position (example SU type): 26.416 mm 1.04 pri & inches no secondary venturi

+ For additional information concerning two-stroke engines and supercharged engines, add supplementary page

MAKE Chevrolet Nova MODEL 11427 FIA REC # _____

INJECTION (if fitted) N.A.

220. Make of pump:
(SP)222. Model or type of pump:
224. Location of injectors:
(SP)225. Minimum diameter of inlet pipe: _____mm _____inches

221. Number of plungers:
223. Total number of injectors:

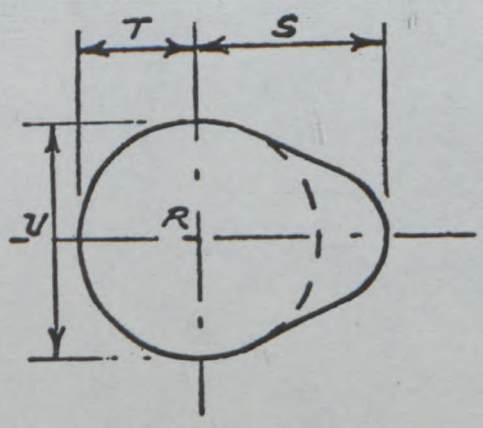
ENGINE ACCESSORIES

(SP)230. Fuel pump: mechanical and/or electrical mechanical
231. Number fitted: one
232. Type of ignition system: breaker point, coil & spark plug
233. Number of distributors: one
234. Number of ignition coils: one
235. Number of spark plugs per cylinder: one
(SP)236. Generator type: (dynamo) (alternator) Number: one
237. Method of drive: V-belt
238. Voltage of generator: 12.0
239. Battery, number: one
240. Location of battery: engine compartment
241. Voltage of battery: 12.0 volts

ENGINE & CAR PERFORMANCE (as declared by manufacturer in catalog)

(SP)250. Horsepower, maximum engine output: 210 at: 4400 rpm SAE
(indicate SAE or DIN)
(SP)251. Maximum rpm: N.A. (SP) Output at that figure:
(SP)252. Maximum torque: 300 at: 2800 rpm
(SP)253. Maximum speed: N.A. km/hour N.A. miles/hour

255. CAM



(SP) Inlet cam

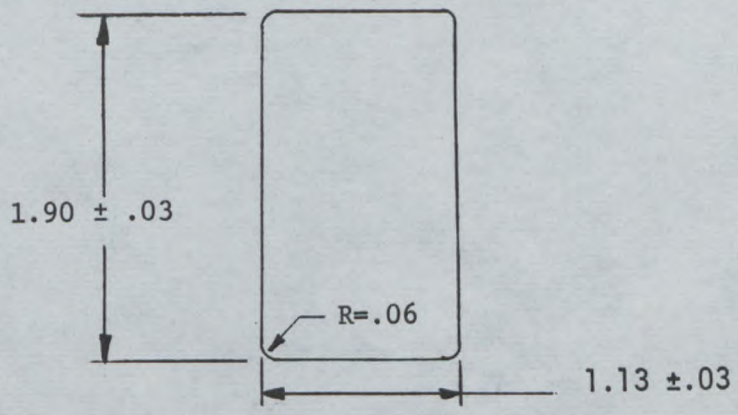
S =	22.936	mm	.903 inches
T =	16.332	mm	.643 inches
U =	32.664	mm	1.286 inches

(SP) Exhaust cam

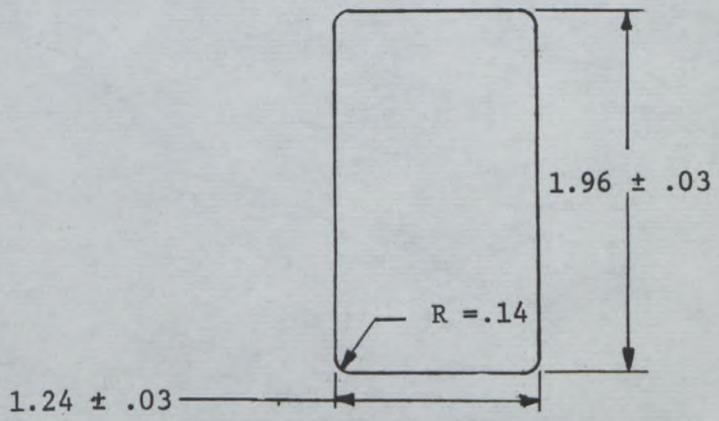
S =	22.910	mm	.902 inches
T =	15.976	mm	.629 inches
U =	31.953	mm	1.258 inches

MAKE Chevrolet Nova MODEL 11427 FIA REC # _____

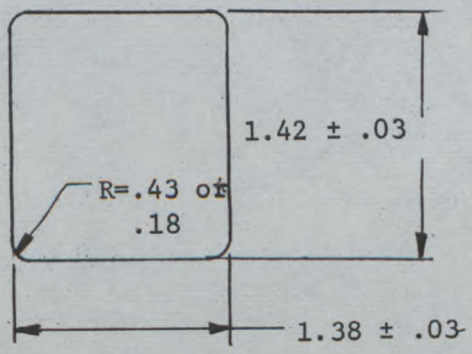
Drawing inlet manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



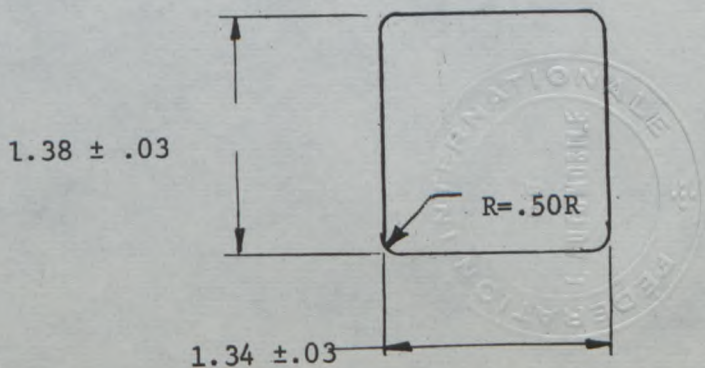
Drawing of entrance to inlet port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



Drawing exhaust manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



Drawing of exit to exhaust port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



MAKE Chevrolet Nova MODEL 11427 FIA REC #

DRIVE TRAIN

Clutch

260. Type of clutch: Dry disc centrifugal 261. Number of plates: 1
262. Diameter of clutch plates: 263.652 mm 10.30 inches
263. Inside diameter of lining: 262.636 mm 10.34 inches
Outside diameter of lining: 165.1 mm 6.50 inches
264. Method of operation: mechanical linkage

Gear Box (Photo H)

* 270. Manual type, make: Chevrolet Method of operation: constant mesh gears
* 271. Number of gear box forward ratios: four
272. Synchronized forward ratios: four
273. Location of gear-shift: floor mounted
* 274. Automatic, make: Chevrolet Type: Turbo Hydramatic
* 275. Number of forward ratios: three
276. Location of gear-shift: steering column

277.	Manual		Automatic		Alternative Manual/Automatic			
	Ratio	No. Teeth	Ratio	No. Teeth	Ratio	No. Teeth	Ratio	No. Teeth
1	2.54:1	$\frac{25}{19} \times \frac{29}{15}$	2.52:1	*	2.85:1	$\frac{28}{19} \times \frac{29}{15}$	1.76:1	*
2	1.80:1	$\frac{25}{19} \times \frac{26}{19}$	1.52:1	*	1.68:1	$\frac{28}{19} \times \frac{24}{21}$	1.00:1	Direct
3	1.44:1	$\frac{25}{19} \times \frac{23}{21}$	1.00:1	Direct	1.00:1	Direct		
4	1.00:1	Direct						
5								
6								
Reverse	2.54:1	$\frac{25}{19} \times \frac{18}{15} \times \frac{29}{18}$	1.93:1		2.95:1	$\frac{28}{19} \times \frac{17}{14} \times \frac{28}{17}$	1.76:1	

*automatic transmission ratios are resultant of the interaction of two planetary gear sets. Sun gear = 34T Planet = 16T Ring gear = 66T

278. Overdrive, type: N.A.
279. Forward gears on which overdrive can be selected:
280. Overdrive ratio:

FINAL DRIVE

* 290. Type of final drive: Salisbury solid axle
* 291. Type of differential: Hypoid gear
* 292. Type of limited slip differential (if fitted): friction plate

293.			
Final drive ratio:	3.42:1	3.08:1	2.73:1
Number of teeth:	12x41	13.40	15x41
Part Number	1394768	1394776	1394767

MAKE Chevrolet Nova MODEL 11427 FIA REC. #

IMPORTANT - For cars engaged in Group 2 (Special Touring) and Group 4 (Special Grand Touring) conformity with characteristics identified by symbol (SP) and entire page 8 IS NOT REQUIRED.

For cars engaged in Group 5 (Sport) only the characteristics identified by asterisks (*) need be verified.

EQUIPMENT AND ACCESSORIES available as options or production installed must indicate the part number of the option and the item number affected.

Item 293

Final Drive Ratio	2.56:1	3.73:1	4.10:1	4.66:1	5.00:1
Number of Teeth	16x41	11x41	10x41	9x42	9x45
Part Number	1394766	1394823	1394824	1394825	1394826

230

Heavy duty mechanical fuel pump - Part No. 6415325

156-7

Fan Cooling Diameter-In.	Number of Blades	Part No.
19	7	3976065
18	5	3994044
17 5/8	4	3927791

155

RPO V01 heavy duty radiator core.
Cooling capacity 24 qts. U.S. Part No. 3025053

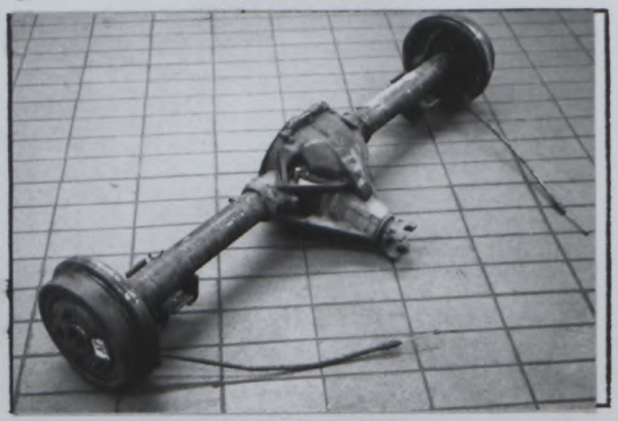
MAKE Chevrolet Nova MODEL 11427 FIA REC #

B 3/4 REAR CAR *

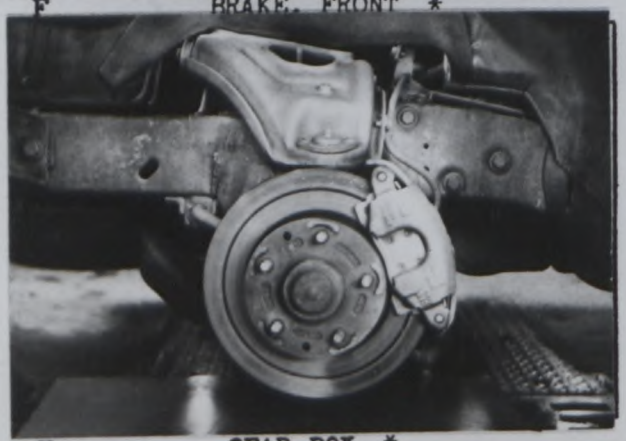
C INTERIOR CAR

D FRONT AXLE *

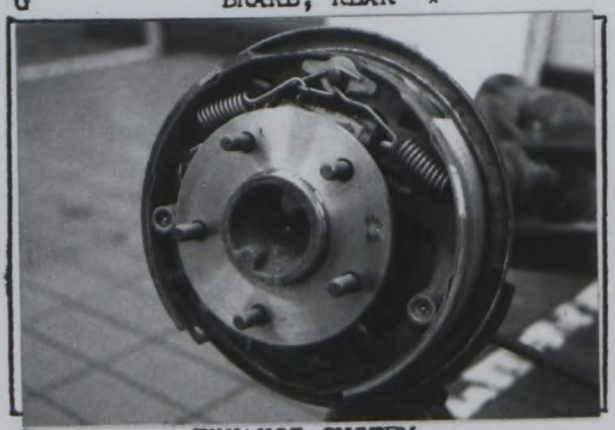
E REAR AXLE *



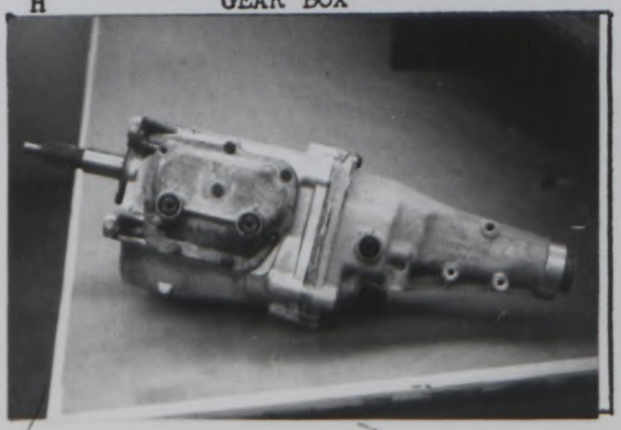
F BRAKE, FRONT *



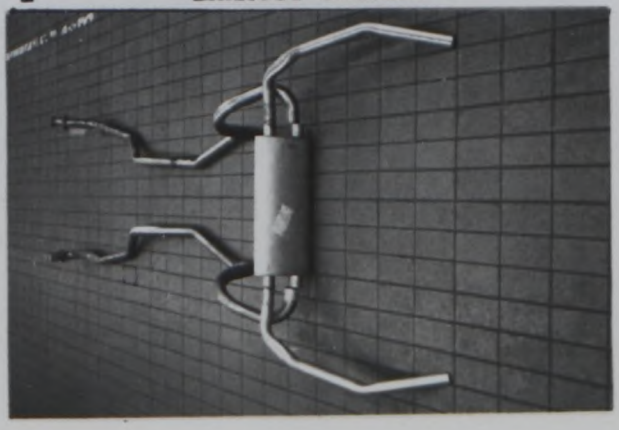
G BRAKE, REAR *



H GEAR BOX *

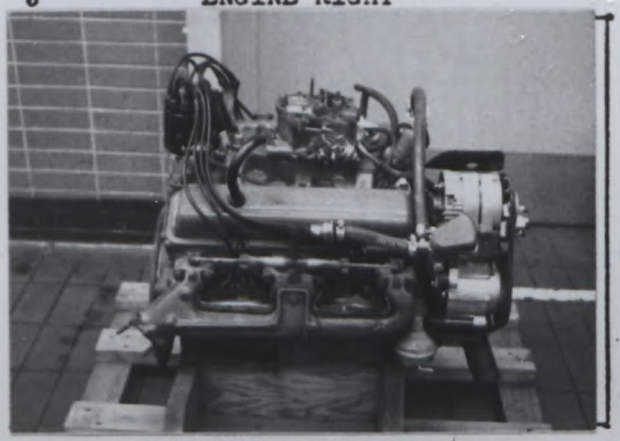


I EXHAUST SYSTEM



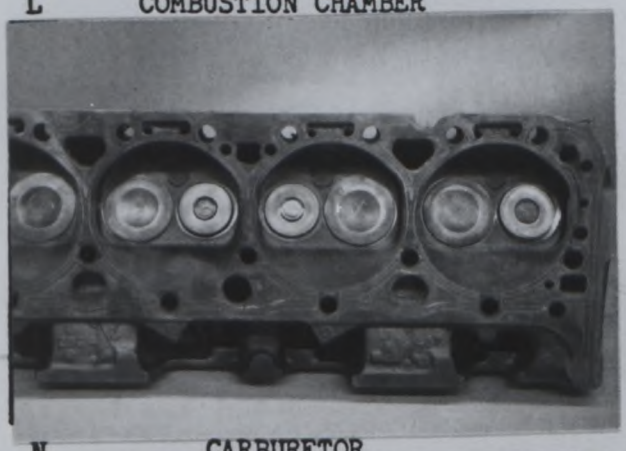
MAKE Chevrolet Nova MODEL 11427 FIA REC #

J ENGINE RIGHT *

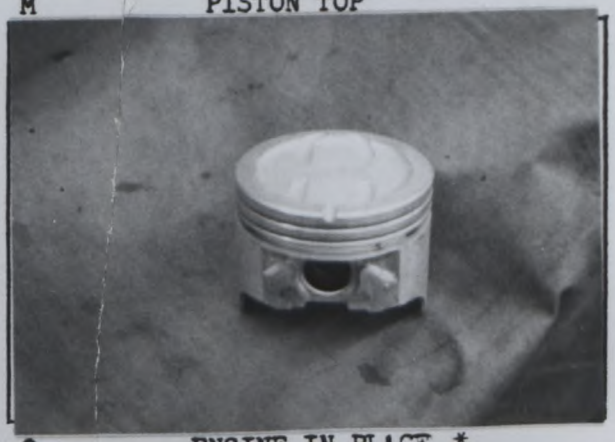


K ENGINE LEFT *

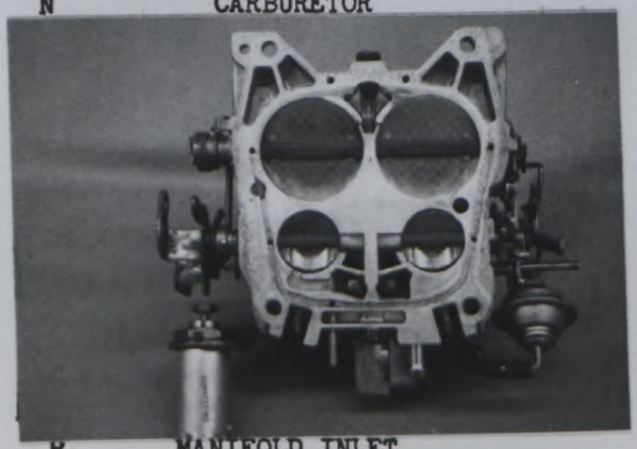
L COMBUSTION CHAMBER



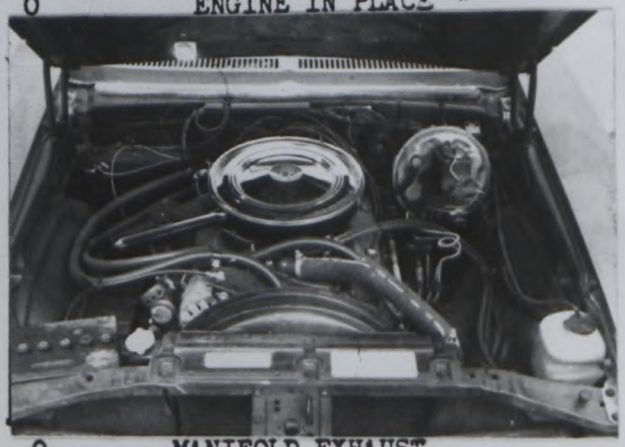
M PISTON TOP



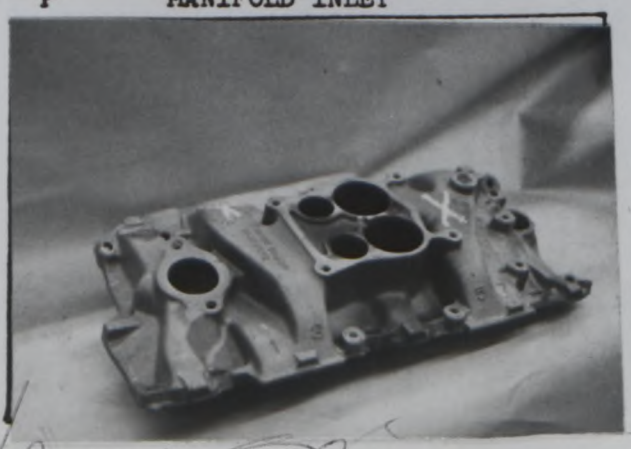
N CARBURETOR



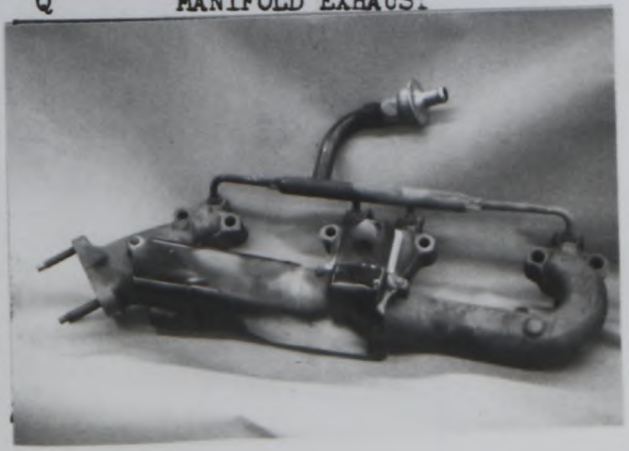
O ENGINE IN PLACE *



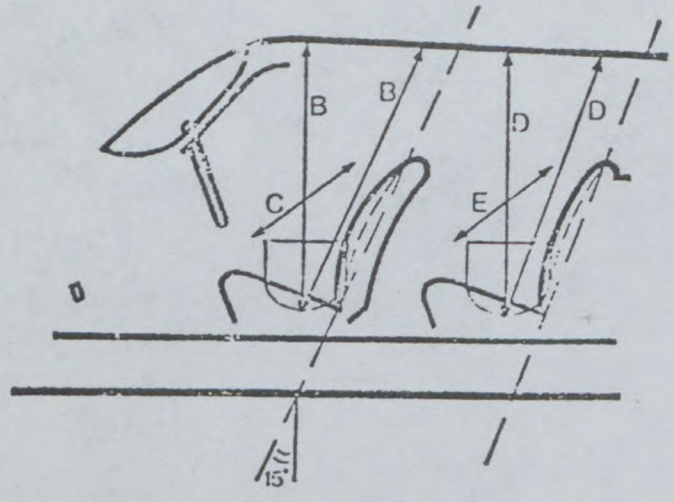
P MANIFOLD INLET



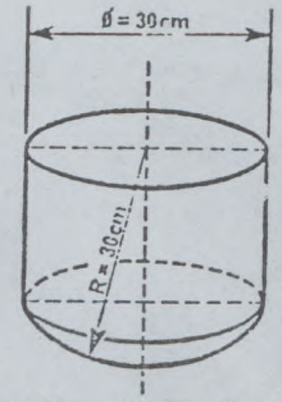
Q MANIFOLD EXHAUST



MAKE Chevrolet Nova MODEL 11427 FIA REC NO. _____



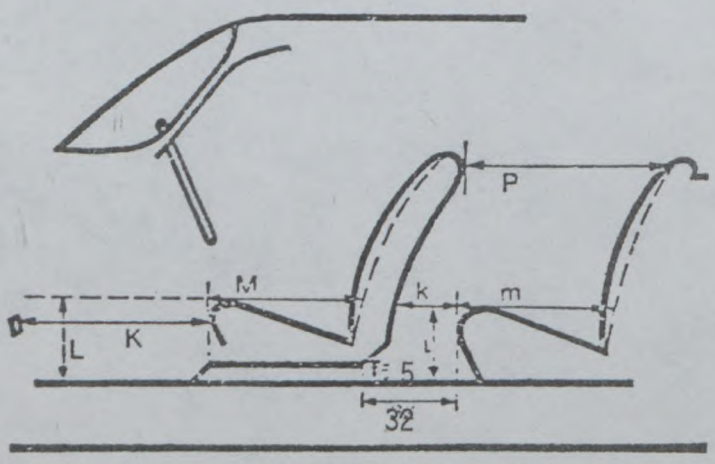
Dessin/drawing No. 1



Weight/lare 60 kgs ± 200 grms.

Dessin/drawing No. 2

Dimension		Inches	MM
B	=	37.5	965
C	=	57.25	1455
D	=	34.5	876
E	=	55.5	1420



Dessin/drawing No. 3

Dimension		Inches	MM	Dimension		Inches	MM
L	=	11.0	279	l	=	12.34	314
M	=	18.0	457	m	=	16.0	407
K	=	17.5	445	k	=	10.0	254
P	=	27.5	698				

STAMP

STAMP

FIA Homologation No. 5478
1/IE

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 Nova 1XY17/27

Serial numbers initiating the modifications described below: Chassis/Body 1X27K4W1000001

Engine F (Date) CKB

Date of production of first vehicles incorporating modifications: August 15 19 73

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	1520	MM	59.8	Inches
3	Rear Track	1516	MM	59.6	Inches
4	Overall Length	499	CM	196.7	Inches
6	Overall Height	1335	CM	52.5	Inches
7	Capacity of Fuel Tank	79.5	Litres	21.0 (Approx.)	Gals. U.S.

Signature & Stamp of
National Sporting Authority

Signature & Stamp
of the F.I.A.

MAKE Chevrolet Nova MODEL 1X417/27 REC. NO. 5478 E 1/1E

A. 3/4 FRONT VIEW

B. 3/4 REAR VIEW

OPTIONAL HATCHBACK DECK LID

STAMP

STAMP