



AUTOMOBILE COMPETITION COMMITTEE  
 FOR THE UNITED STATES, FIA, INC.  
 330 Vanderbilt Motor Parkway  
 Hauppauge, L.I., N.Y. 11787  
 (516) 582-4040

FIA NO. 5537  
 GROUP 1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE  
 FORM OF RECOGNITION

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

Cylinder Capacity 5735.45 cm<sup>3</sup> 350 in<sup>3</sup>

Manufacturer Chevrolet Motor Division

Model Blazer 10514

Serial # Chassis CC(or K) Y183F100001

Manufacturer Chevrolet

Serial # Engine \_\_\_\_\_

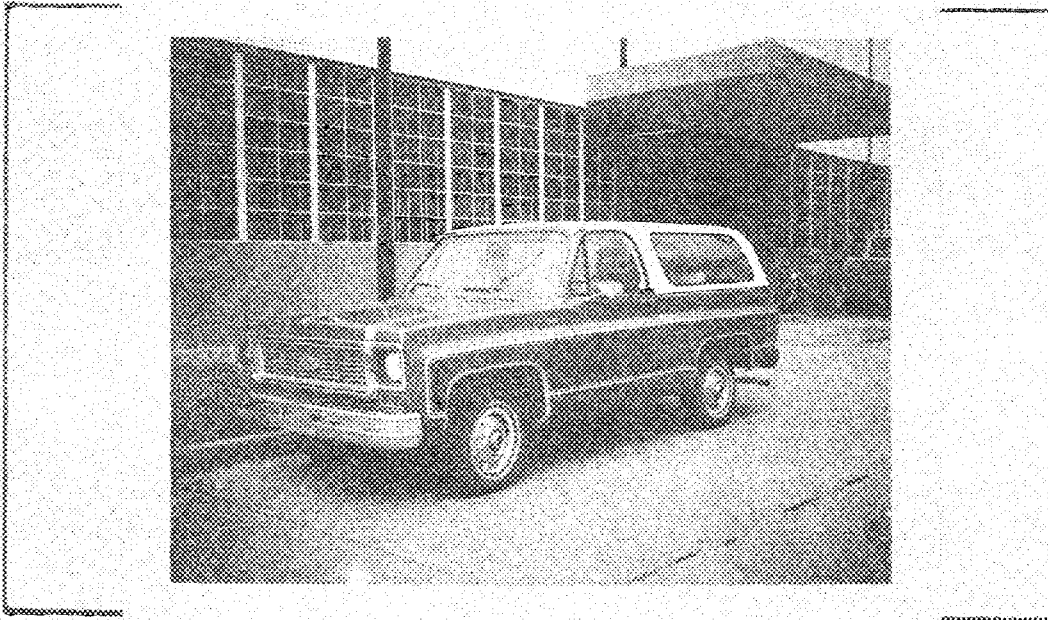
Manufacturer Chevrolet

Recognition valid from 1 11 73

List \_\_\_\_\_

The manufacturing of the model described in this recognition form was started on August 15, 1972 and the minimum production of 5000 identical cars, in accordance with the specifications of this form, was reached on October 25, 1972

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

*[Handwritten signature]*

Stamp/Signature  
 F.I.A.

*[Handwritten signature]*

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. <u>Wheelbase:</u>		2705.1	mm	106.5	inches
* 2. <u>Front track:</u>	2wd	1635.7	mm	64.4	inches (1)
	OPT. 4wd	1671.3		65.8	
* 3. <u>Rear track:</u>	2wd	1600.2	mm	63.0	inches (1)
	OPT. 4wd	1592.6		62.7	
4. Overall length of car		468.63	cm	184.5	inches
5. Overall width of car (at widest point)		202.2	cm	79.6	inches
5a Overall width of car (at vertical plane through front wheels)		202.2	cm	79.6	in
5b Overall width of car (at vertical plane through rear wheels)		201.9	cm	79.5	in
	2wd	171.5		67.5	
		176.5		69.5	W/Optional top
6. Overall height of car	Opt. 4wd	176.5	cm	69.5	inches
		181.6		71.5	W/Optional Top
* 7. <u>Capacity of fuel tank</u> (reserve included)				90.84	Litres
				24	U.S.Gals.
				113.55	Optional
8. Seating capacity:	Two, or Five W/Optional rear seat.				
* 9. <u>Weight</u> - 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		1676.25	kg	3725	lbs
		1837.96		4052	(4wd)

(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.

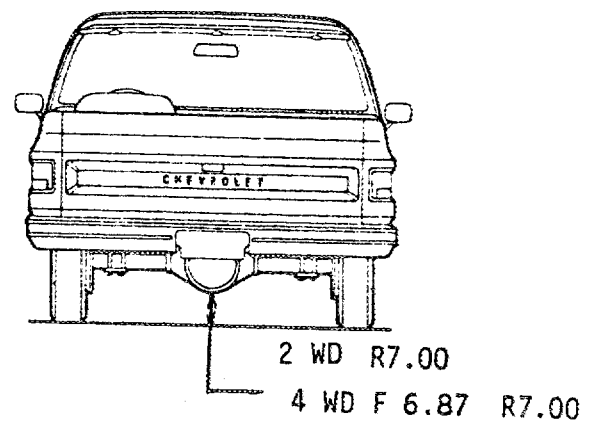
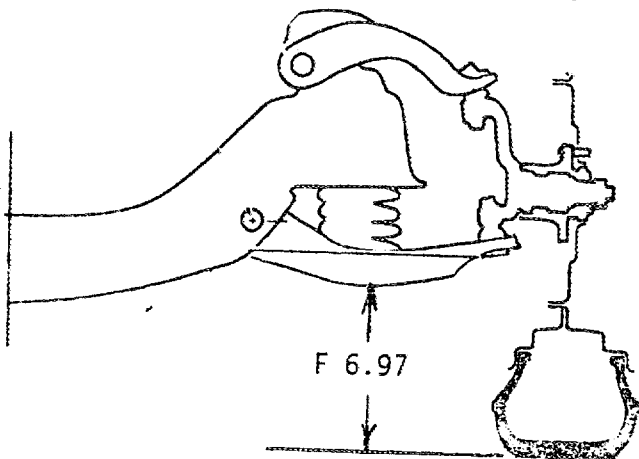


TABLE OF CONVERSIONS

1 inch	-----	2.54	cm
1 foot	-----	30.4794	cm
1 square inch	-----	6.452	cm <sup>2</sup>
1 cubic inch	-----	16.387	cm <sup>3</sup>

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

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 (W/Optional Top)
- 28. Material of windshield: Safety Glass (laminated)
- 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 (W/Optional Top)

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; or all Vinyl
- 42. Seats, front: Weight (complete with supports and rails out of car) 180.98 kg 39.9 lbs  
Check: Bench \_\_\_\_\_ Bucket X Console included \_\_\_\_\_ Optional \_\_\_\_\_
- 43. Seats, rear: Type of seat and upholstery Fabric & Vinyl; or all Vinyl
- 44. Bumper, front: Material: Steel Weight: 13.06 kg 28.8 lbs
- 45. Bumper, rear: Material: Steel Weight: 10.07 kg 22.2 lbs

WHEELS

- 50. Type: Pressed Steel
- 51. Weight: (per wheel, without tire) 105.23 kg 23.2 lbs
- 52. Method of attachment: 5 nuts
- 53. Rim diameter: 381.0 mm 15.0 inches
- 54. Rim width: 152.4 mm 6.0 inches

STEERING

- 60. Type: Recirculating ball and nut gear
- 61. Servo-assistance: (yes) (no) Optional
- 62. Number of turns of steering wheel from lock to lock: 3.07 (2wd or 4wd)
- 63. In case of servo-assistance: 2wd - 1.69  
4wd - 2.11

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):
- 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

	<u>Front</u>		<u>Rear</u>	
	ONE		ONE	
93. Number of cylinders per wheel:				
94. Bore of wheel cylinder:	<u>74.676 mm</u>	<u>2.94 in</u>	<u>25.4 mm</u>	<u>1.0 in</u>
(SP) <u>Drum Brakes:</u>				
95. Inside diameter:	_____ mm	_____ in	<u>279.4 mm</u>	<u>11.0 in</u>
96. Length of brake linings:	_____ mm	_____ in	<u>225.5/292.9 mm</u>	<u>8.88/11.53 in</u>
97. Width of brake linings:	_____ mm	_____ in	<u>50.8 mm</u>	<u>2.0 in</u>
98. Number of shoes per brake:				
99. Total area per brake:	_____ mm <sup>2</sup>	_____ in <sup>2</sup>	<u>525.1928 mm<sup>2</sup></u>	<u>81.4 in<sup>2</sup></u>
(SP) <u>Disc Brakes:</u>				
100. Outside diameter	<u>301.244 mm</u>	<u>11.86 in</u>	_____ mm	_____ in
101. Thickness of disc:	<u>32.512 mm</u>	<u>1.28 in</u>	_____ mm	_____ in
102. Length of brake linings:	<u>151.384 mm</u>	<u>5.96 in</u>	_____ mm	_____ in
103. Width of brake linings:	<u>56.134 mm</u>	<u>2.21 in</u>	_____ mm	_____ in
104. Number of pads per brake: Two				
105. Total area per brake:	<u>123.555 mm<sup>2</sup></u>	<u>19.15 in<sup>2</sup></u>	_____ mm <sup>2</sup>	_____ in <sup>2</sup>

ENGINE (Photos J and K)

- \* 130. Cycle: 4 Stroke Cycle
- \* 131. Number of cylinders: Eight
- \* 132. Cylinder arrangement: V8 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<sup>3</sup> 42.5 cu in
- \* 136. Total cylinder capacity: 5735.45 cm<sup>3</sup> 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: 95.0 cm<sup>3</sup> 5.80 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: 17.22 litres \_\_\_\_\_ pints \_\_\_\_\_ 18.2 quarts U.S.
- (SP)156. Cooling fan (if fitted) diameter: 495.30 cm \_\_\_\_\_ 19.5 inches
- (SP)157. Number of blades of cooling fan: Seven (7)

## BEARINGS

- \* 158. Crankshaft, main, type: Insert Diameter: 62.1792 mm 2.448 inches
- \* 159. Connecting rod, big end, type: Insert Diameter: 53.3146 mm 2.099 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: .7788 kg 1.717 lbs

Rehone Size: 0.25 mm

Total resultant cyl. capacity: 5761 cc

Thickness of compressed head gasket: 0.40 mm

FOUR CYCLE ENGINES

- \* 170. Number of camshafts: One (1)
- \* 171. Location of camshaft: Engine Block
- \* 172. Type of camshaft drive: Chain & Sprocket
- \* 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: One (1)
- (SP) 186. Tappet clearance for checking timing (cold) 0 mm 0 inches
- (SP) 187. Valves open at (with tolerance for tappet clearance indicated): 38° BTC
- (SP) 188. Valves close at (with tolerance for tappet clearance indicated): 92° ABC
- (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: One (1)
- (SP) 201. Tappet clearance for checking timing (cold) 0 mm 0 inches
- (SP) 202. Valves open at (with tolerance for tappet clearance indicated): 88° BBC
- (SP) 203. Valves close at (with tolerance for tappet clearance indicated): 52° ATC
- (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: Quadrajets
- 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

MODEL Blazer 10514

FIA REC # 5532

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:

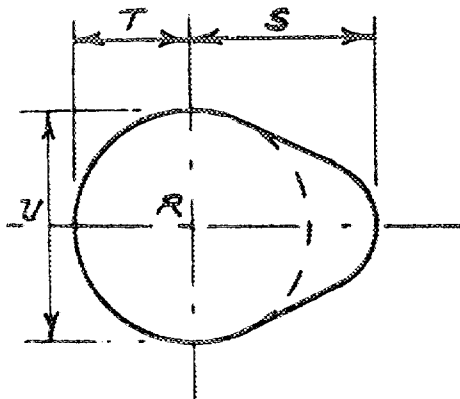
ENGINE ACCESSORIES

- 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
- 239. Battery, number: one
- 240. Location of battery: Engine Compartment
- 241. Voltage of battery: \_\_\_\_\_ 12 \_\_\_\_\_ volts

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

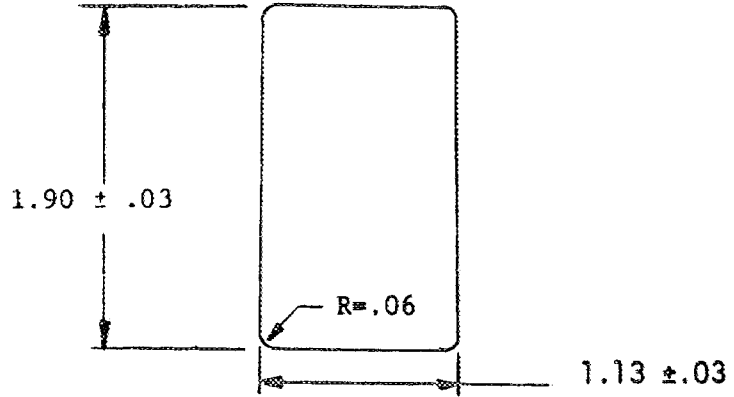
- SP)250. Horsepower, maximum engine output: 160 H.P. at: 3800 rpm SAE (indicate SAE or DIN)
- SP)251. Maximum rpm: NA (SP) Output at that figure:
- SP)252. Maximum torque: 34.5 kgm at: 2400 rpm
- SP)253. Maximum speed: NA km/hour NA miles/hour

255. CAM

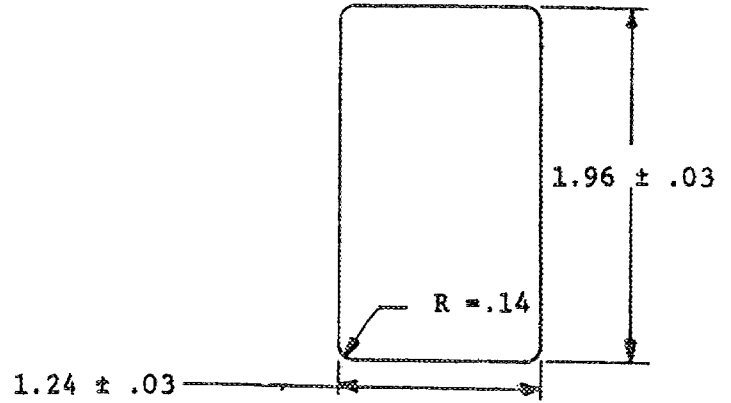


(SP) <u>Inlet cam</u>			
S = 22.936	mm	.903	inches
T = 16.332	mm	.643	inches
U = 32.664	mm	1.286	inches
(SP) <u>Exhaust cam</u>			
S = 22.910	mm	.902	inches
T = 15.976	mm	.629	inches
U = 31.953	mm	1.258	inches

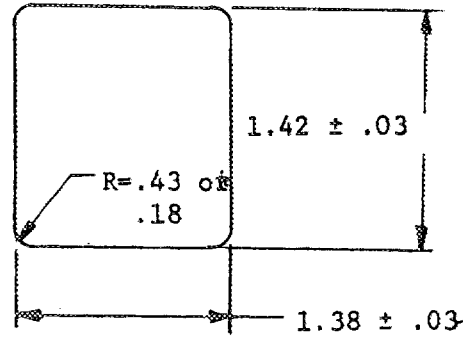
Drawing inlet manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



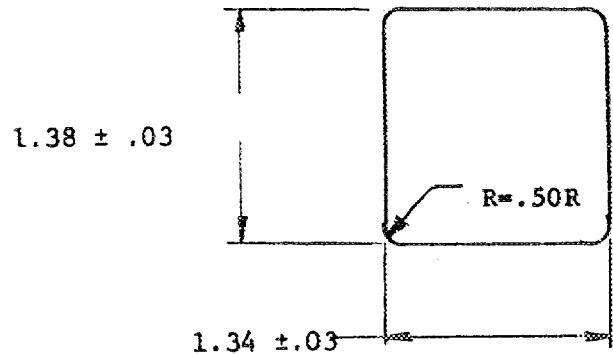
Drawing of entrance to inlet port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



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.





DRIVE TRAIN

Clutch

- |      |   |      |                           |
|------|---|------|---------------------------|
| 260. | Type of clutch: Dry-disc                | 261. | Number of plates: One (1) |
| 262. | Diameter of clutch plates: 301.63 mm    |      | 11.875 inches             |
| 263. | Inside diameter of lining: 171.45 mm    |      | 6.75 inches               |
|      | Outside diameter of lining: 301.63 mm   |      | 11.875 inches             |
| 264. | Method of operation: Mechanical Linkage |      |                           |

Gear Box (Photo H)

- \* 270. Manual type, make: Chevrolet Method of operation:
- \* 271. Number of gear box forward ratios: Three; Four Optional
- 272. Synchronized forward ratios: Three
- 273. Location of gear-shift: Steering Column; Floor W/Optional 4-Speed
- \* 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	2.85	$\frac{28}{19} \times \frac{29}{15}$	2.52	*	6.55	$\frac{40}{17} \times \frac{39}{14}$		
2	1.68	$\frac{28}{19} \times \frac{24}{21}$	1.52	*	3.58	$\frac{40}{17} \times \frac{35}{23}$		
3	1.00	Direct	1.00	Direct	1.70	$\frac{40}{17} \times \frac{26}{36}$		
4					1.00	Direct		
5								
6								
Reverse	2.95	$\frac{28}{19} \times \frac{18}{15} \times \frac{29}{18}$	1.93	*	6.09	$\frac{40}{17} \times \frac{44}{17}$		

\*-Automatic transmission ratios are resultant of the interaction of two (2) planetary gear sets. Sun Gear=34T, Plant=16T, Ring Gear=66T.

- 278. Overdrive, type: NA
- 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: Two pinion
- \* 292. Type of limited slip differential (if fitted): Friction Plate
- 293. Final drive ratio: 3.07:1, 3.73:1, 4.11:1  
Number of teeth: 43/14, 41/11, 37/9

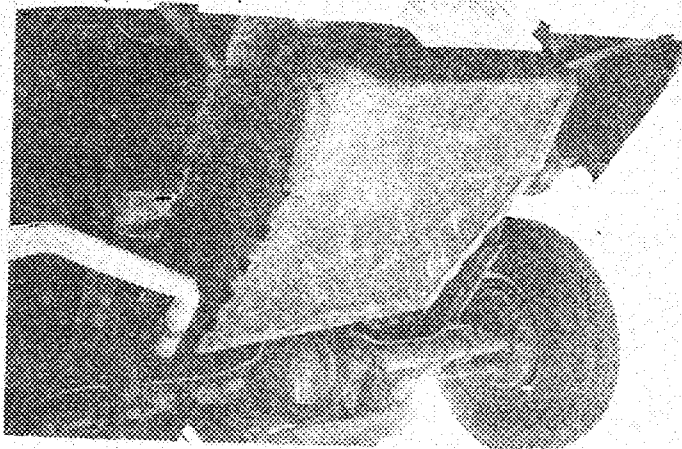
IMPORTANT - For cars engaged in Group 2 (Special Touring) and Group 4 (Special Grand Touring) conformity with characteristics identified by symbol (SP) and entire page 8 IS NOT REQUIRED.

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

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

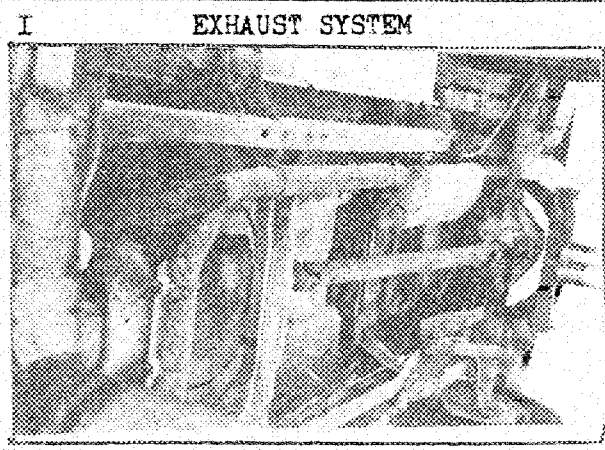
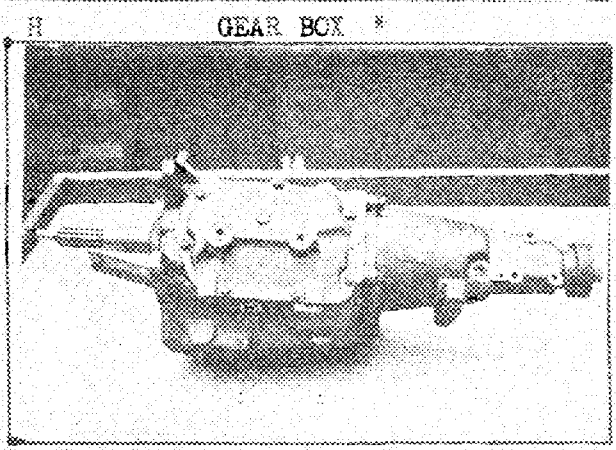
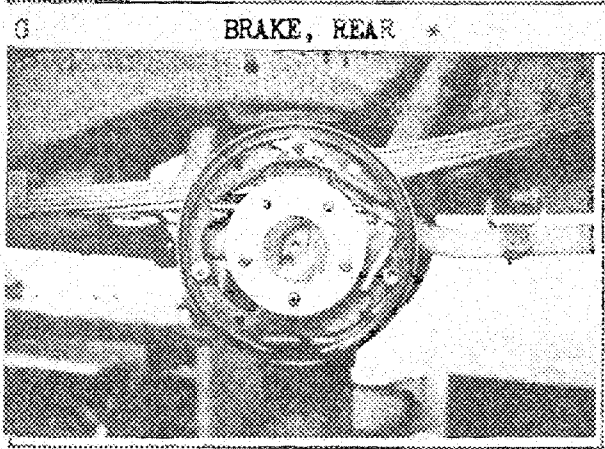
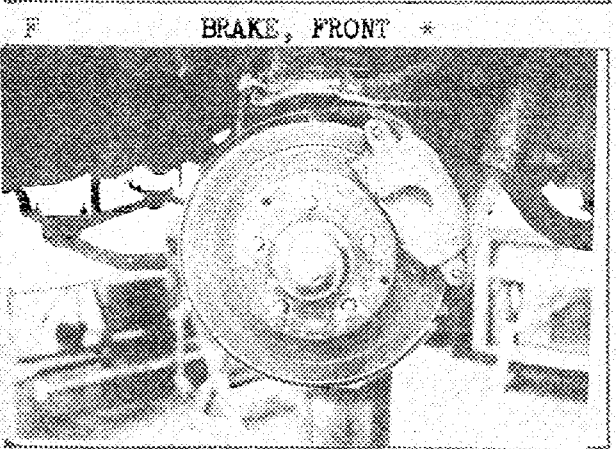
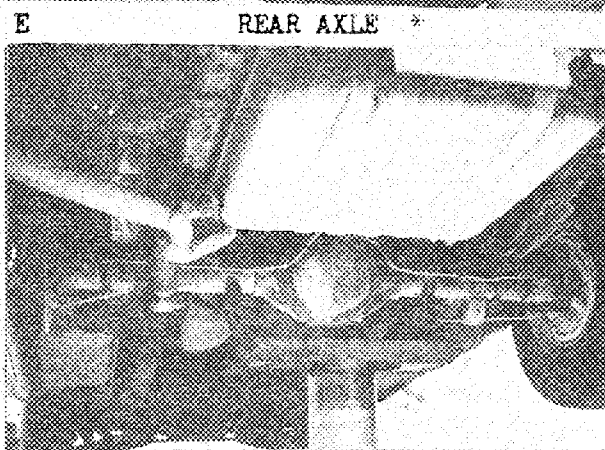
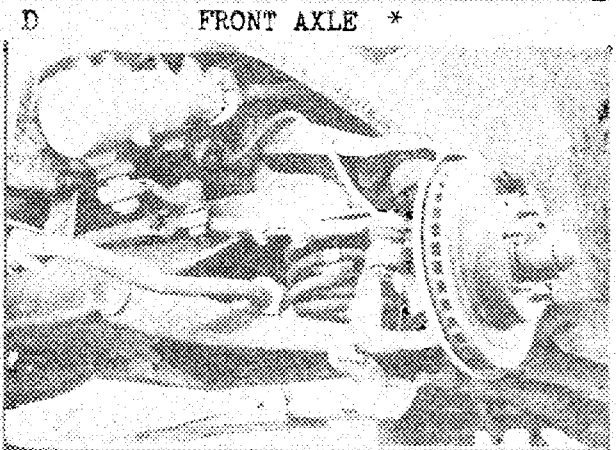
Fuel Tank Skid Plate Option NY-1



Four Wheel Drive Option K-10514

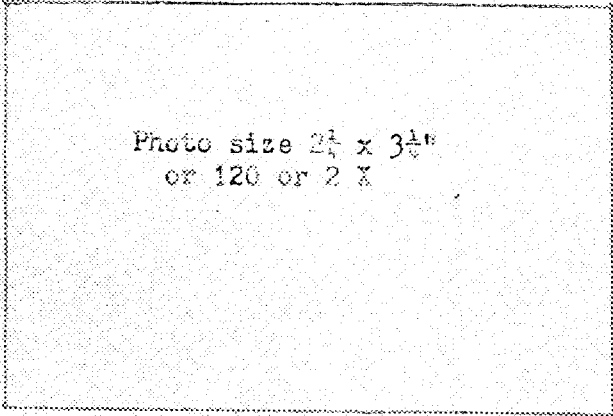
Suspension:

70. Front Suspension (Photo D) type: Semi-elliptic spring and solid axle.
71. Type of Spring: Z-leaf semi-elliptic.

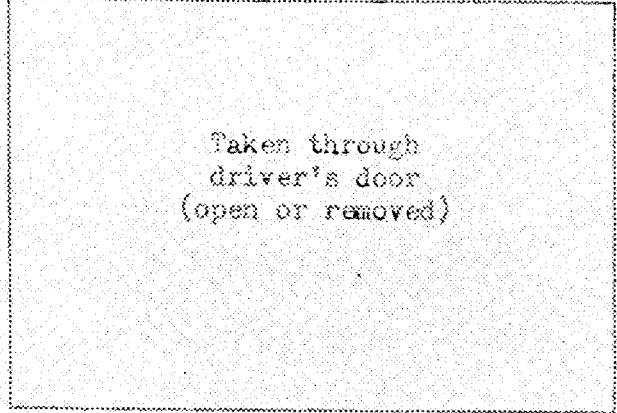


Supplement (W/Optional 4WD)

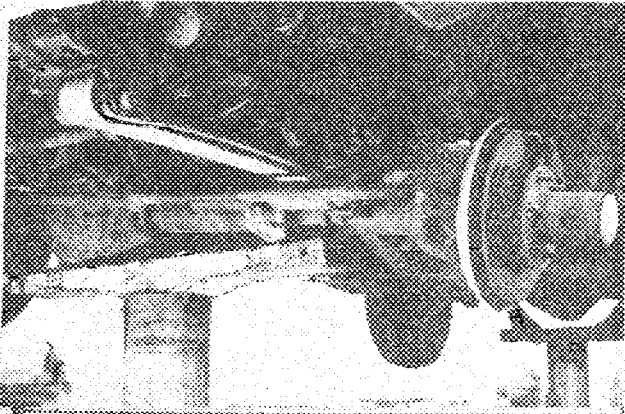
B 3/4 REAR CAR \*



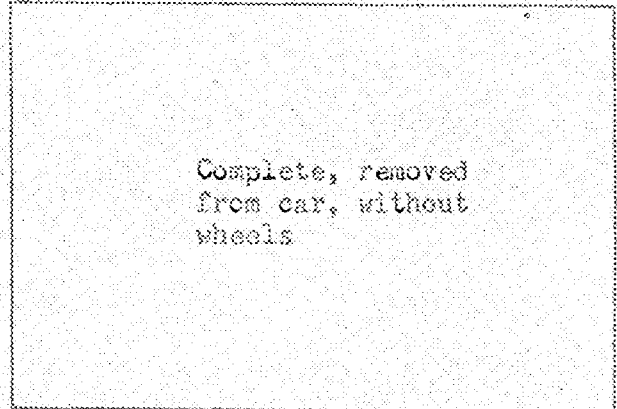
C INTERIOR CAR



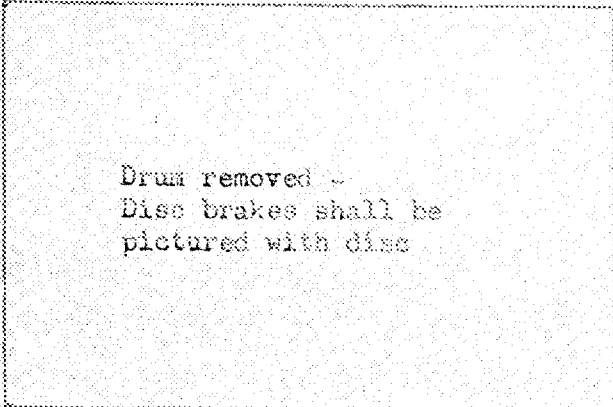
D FRONT AXLE \*



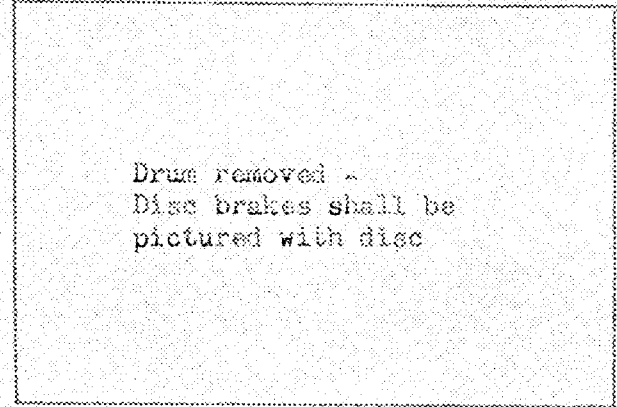
E REAR AXLE \*



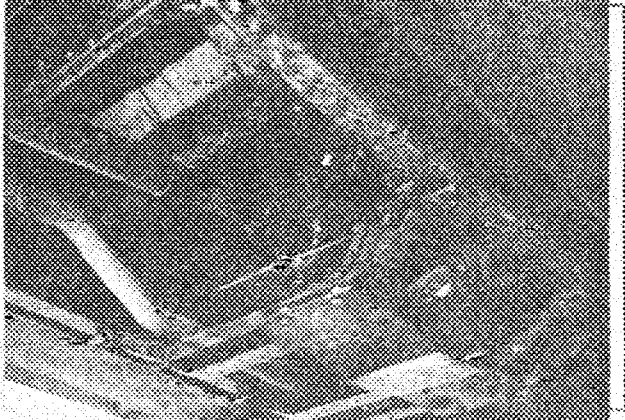
F BRAKE, FRONT \*



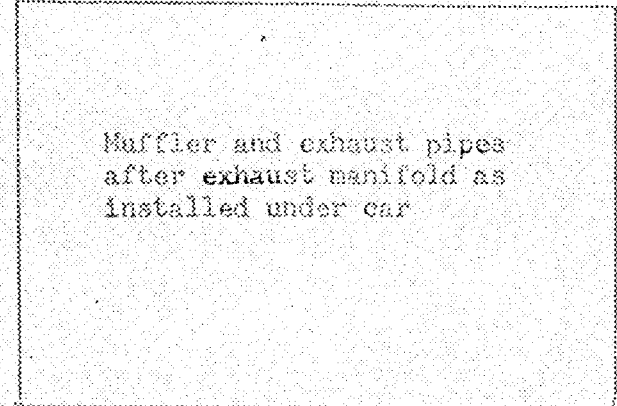
G BRAKE, REAR \*



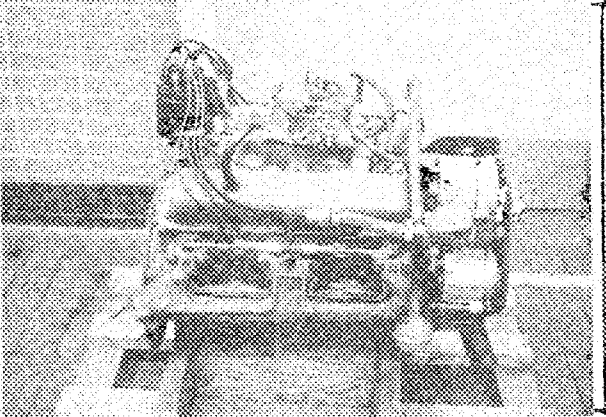
H GEAR BOX \* (Transfer Case)



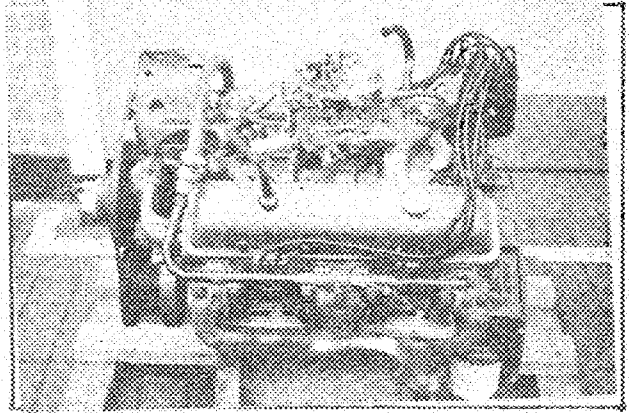
I EXHAUST SYSTEM



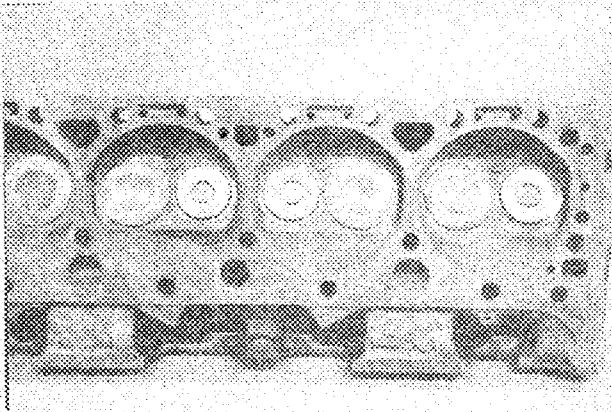
J ENGINE RIGHT \*



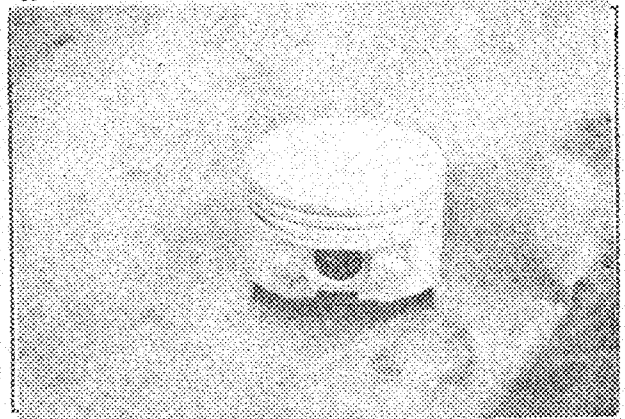
K ENGINE LEFT \*



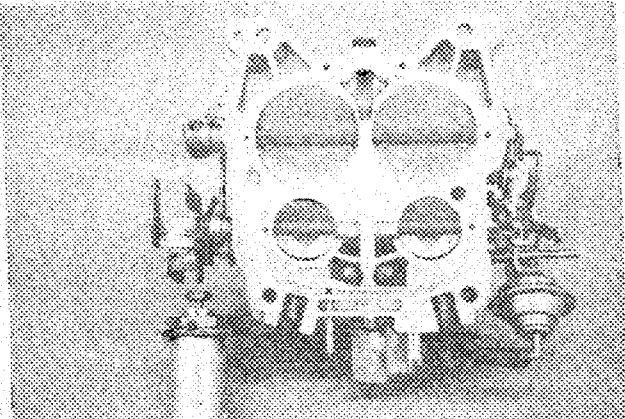
L COMBUSTION CHAMBER



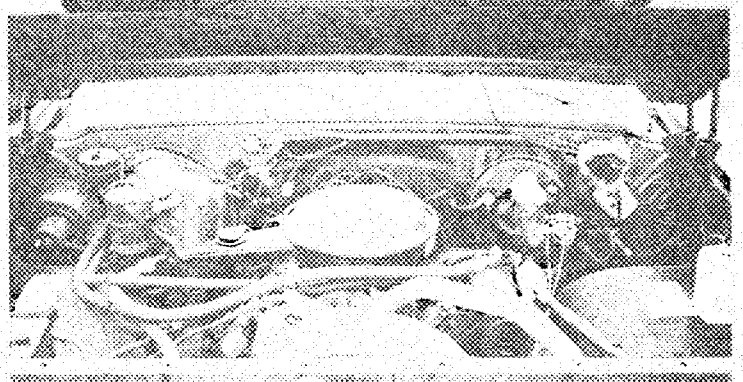
M PISTON TOP



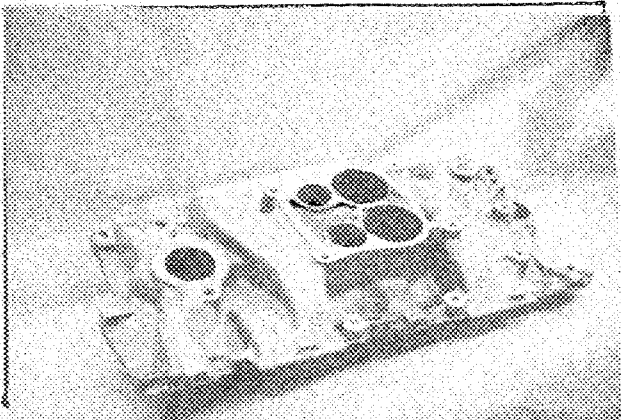
N CARBURETOR



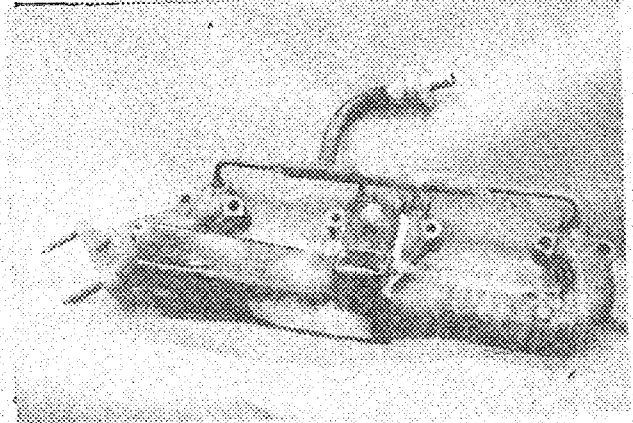
O ENGINE IN PLACE \*

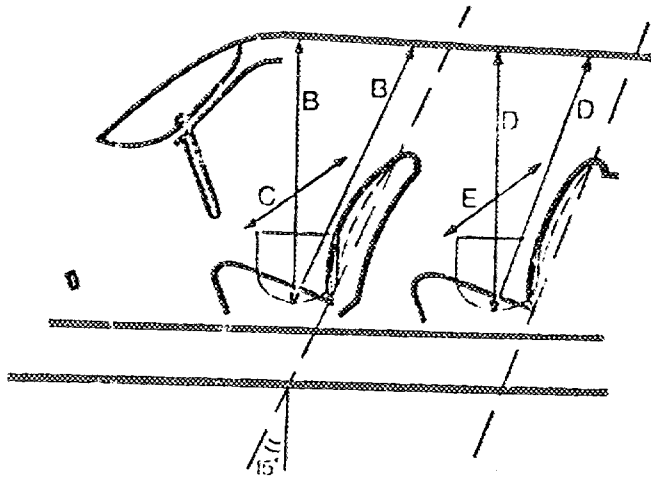


P MANIFOLD INLET

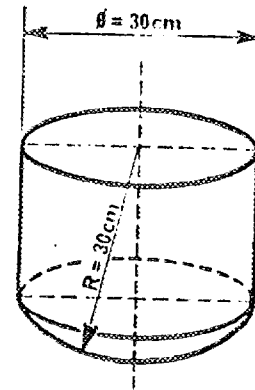


Q MANIFOLD EXHAUST



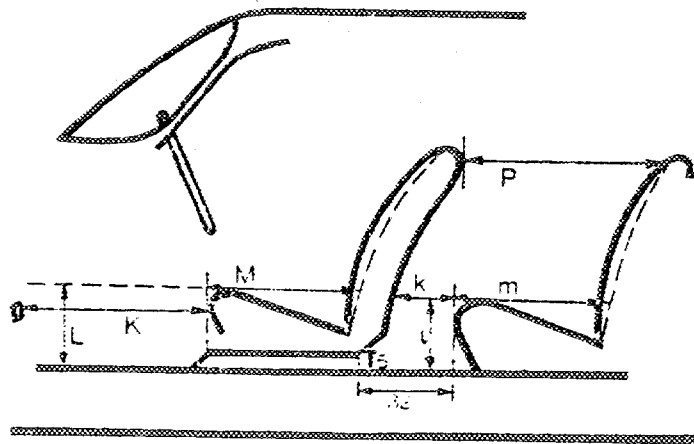


Dessin/drawing No. 1



Weight/tare 60 kgs + 200 grms.  
Dessin/drawing No. 2

<u>Dimension</u>	<u>Inches</u>	<u>MM</u>
B =	<u>42.4</u>	<u>110.24</u>
C =	<u>65.0</u>	<u>165.1</u>
D =	<u>39.04</u>	<u>99.16</u>
E =	<u>64.84</u>	<u>164.6</u>



Dessin/drawing No. 3

<u>Dimension</u>	<u>Inches</u>	<u>MM</u>	<u>Dimension</u>	<u>Inches</u>	<u>MM</u>
L =	<u>16.08</u>	<u>40.84</u>	l =	<u>15.80</u>	<u>40.13</u>
M =	<u>19.0</u>	<u>48.26</u>	m =	<u>17.5</u>	<u>44.45</u>
K =	<u>40.6</u>	<u>103.12</u>	k =	<u>44.3</u>	<u>112.52</u>
P =	<u>41.5</u>	<u>105.41</u>			

STAMP

STAMP