



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

FIA NO. 5466  
GROUP 1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE  
FORM OF RECOGNITION

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

Manufacturer CHRYSLER - MITSUBISHI  
MOTORS CORPORATION Model Dodge Colt A53 HUL2  
Serial # Chassis 6H23-K25-100000 Manufacturer CHRYSLER - MITSUBISHI  
Serial # Engine 4G32-XXXXX Manufacturer MOTORS CORPORATION  
Recognition valid from \_\_\_\_\_ List \_\_\_\_\_

The manufacturing of the model described in this recognition form was started on  
September, 1971 and the minimum production of 5,000 identical cars,  
in accordance with the specifications of this form, was reached on December, 1971.

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 J. Owean*



Stamp/Signature  
F.I.A.

*[Signature]*

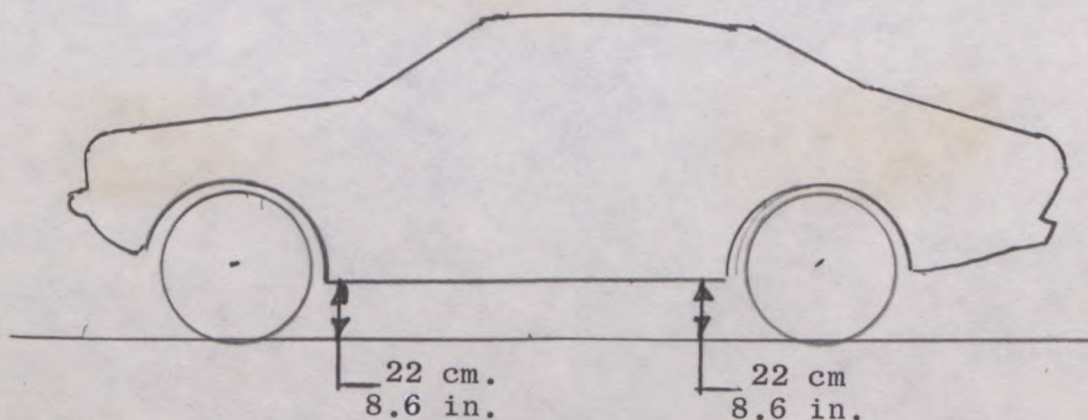
MAKE DODGE COLTMODEL A53 HUL2

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: 2413 mm 95.0 inches
- \* 2. Front track: 1285 mm 50.6 inches (1)
- \* 3. Rear track: 1285 mm 50.6 inches (1)
4. Overall length of car 405.9 cm 159.8 inches
5. Overall width of car (at widest point) 157 cm 61.8 inches
- 5a Overall width of car (at vertical plane through front wheels) 153 cm 60.1 in
- 5b Overall width of car (at vertical plane through rear wheels) 157 cm 61.8 in
6. Overall height of car 137 cm 54.1 inches
- \* 7. Capacity of fuel tank (reserve included) 49.2 Litres 13.0 U.S.Gals.
8. Seating capacity: Two Front - Two Rear
- \* 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  
918 kg 2024 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<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



MAKE DODGE COLTMODEL A53 HUL2

FIA REC # \_\_\_\_\_

CHASSIS AND BODYWORK (Photos A, B and C)

- \* 20. Chassis/body construction: (~~separate~~) (unit construction)  
\* 21. Unit construction: material - steel  
\* 22. Separate construction: material of chassis - N.A.  
\* 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: glass  
28. Material of windshield: glass  
29. Material of front door windows: glass  
30. Material of rear door windows: N.A.  
31. Windows, actuating system: manual  
32. Material of rear quarter window: glass

ACCESSORIES AND UPHOLSTERY

38. Heating, interior: (~~yes~~) (no)  
39. Air conditioning: (~~yes~~) (no)  
40. Ventilation: (yes) (~~no~~)  
(SP) 41. Seats, front: Type of seat and upholstery bucket - vinyl  
42. Seats, front: Weight (complete with supports and rails out of car) 13.6 kg 30 lbs  
Check: Bench \_\_\_\_\_ Bucket X Console included None  
43. Seats, rear: Type of seat and upholstery Bench - vinyl  
44. Bumper, front: Material: Steel Weight: 5.0 kg 11.0 lbs  
45. Bumper, rear: Material: Steel Weight: 4.5 kg 9.9 lbs

WHEELS

50. Type: Pressed Steel  
51. Weight: (per wheel, without tire) 6.0 kg 13.2 lbs  
52. Method of attachment: 4 nuts  
53. Rim diameter: 330 mm 13.0 inches  
54. Rim width: 101 mm 4.0 inches

STEERING

60. Type: Recirculating ball - variable ratio  
61. Servo-assistance: (~~yes~~) (no)  
62. Number of turns of steering wheel from lock to lock: 3.5  
63. In case of servo-assistance: N.A.

*John L. Chouan*



MAKE DODGE COLTMODEL A53 HUL2

FIA REC # \_\_\_\_\_

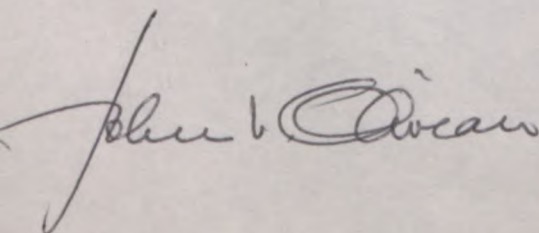
SUSPENSION

- \* 70. Front suspension (Photo D) type: McPherson  
\* 71. Type of spring: Coil  
(SP) 72. Stabilizer (if fitted): Torsion Bar  
73. Number of shock absorbers: Two  
74. Type: Hydraulic Telescopic  
  
\* 78. Rear suspension (Photo E) type: Rigid Axle  
\* 79. Type of spring: Leaf  
(SP) 80. Stabilizer (if fitted): --  
81. Number of shock absorbers: Two  
82. Type: Hydraulic Telescopic

BRAKES (Photos F and G)

- \* 90. Method of operation: Hydraulic  
(SP) 91. Power assisted (if fitted,) type: N.A.  
92. Number of master cylinders: One Tandem

	<u>Front</u> TWO		<u>Rear</u> ONE	
93. Number of cylinders per wheel:				
94. Bore of wheel cylinder:	<u>48.1</u> mm	<u>1.9</u> in	<u>19</u> mm	<u>.75</u> in
(SP) <u>Drum Brakes:</u>				
95. Inside diameter:	_____ mm	_____ in	<u>228</u> mm	<u>9.0</u> in
96. Length of brake linings: (both)	_____ mm	_____ in	<u>430</u> mm	<u>16.93</u> in
97. Width of brake linings:	_____ mm	_____ in	<u>35</u> mm	<u>1.4</u> in
98. Number of shoes per brake:			two	
99. Total area per brake:	_____ mm <sup>2</sup>	_____ in <sup>2</sup>	<u>25,175</u> mm <sup>2</sup>	<u>39.0</u> in <sup>2</sup>
(SP) <u>Disc Brakes:</u>				
100. Outside diameter	<u>239</u> mm	<u>9.4</u> in	_____ mm	_____ in
101. Thickness of disc:	<u>10</u> mm	<u>0.4</u> in	_____ mm	_____ in
102. Length of brake linings:	<u>61</u> mm	<u>2.4</u> in	_____ mm	_____ in
103. Width of brake linings:	<u>46</u> mm	<u>1.8</u> in	_____ mm	_____ in
104. Number of pads per brake:	two			
105. Total area per brake:	<u>28,085</u> mm <sup>2</sup>	<u>43.5</u> in <sup>2</sup>	_____ mm <sup>2</sup>	_____ in <sup>2</sup>



MAKE DODGE COLTMODEL A53 HUL2

FIA REC # \_\_\_\_\_

ENGINE (Photos J and K)

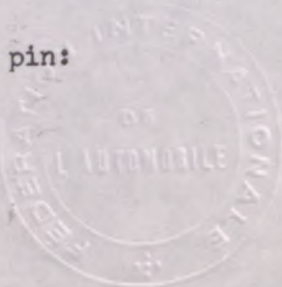
- \* 130. Cycle: Four  
\* 131. Number of cylinders: Four  
\* 132. Cylinder arrangement: In line Wankel: # of elements & basic dimensions-  
\* 133. Bore: 77 mm 3.03 inches  
\* 134. Stroke: 86 mm 3.39 inches  
\* 135. Capacity per cylinder: 399 cm<sup>3</sup> 24.4 cu in  
\* 136. Total cylinder capacity: 1,597 cm<sup>3</sup> 97.5 cu in  
\* 137. Material of cylinder block: Cast Iron  
\* 138. Material of sleeves (if fitted): N.A.  
\* 139. Cylinder head material: Aluminum Number fitted: One  
\* 140. Number of inlet ports: Four  
\* 141. Number of exhaust ports: Four  
(SP) 142. Compression ratio: 8.5  
(SP) 143. Volume of combustion chamber: 50.7 cm<sup>3</sup> 3.09 cu in  
(SP) 144. Piston, material: Aluminum Alloy  
(SP) 145. Number of rings: Three per piston  
(SP) 146. Distance from gudgeon pin centre line to highest point of piston crown:  
32 mm 1.26 inches  
\* 147. Crankshaft: (~~one~~) (forged) steel  
\* 148. Crankshaft, type: (integral) (~~sectioned~~)  
\* 149. Crankshaft, number of main bearings: five  
\* 150. Material of bearing cap: Cast Iron  
151. System of lubrication: (~~dry sump~~) (oil in sump)  
152. Lubricant capacity: 4.0 litres 8.4 pints 4.2 quarts U.S.  
(SP) 153. Oil cooler: (~~yes~~) (no)  
\* 154. Method of engine cooling: water  
155. Capacity of cooling system: 6.6 litres 14 pints 7.0 quarts U.S.  
(SP) 156. Cooling fan (if fitted) diameter: 33 cm 13.0 inches  
(SP) 157. Number of blades of cooling fan: six

## BEARINGS

- \* 158. Crankshaft, main, type: Tri-Metal Diameter: 57 mm 2.244 inches  
\* 159. Connecting rod, big end, type: Tri-Metal Diameter: 45 mm 1.772 inches  
tolerance  $\pm 0.1$  mm

## WEIGHTS

- |           |  |         |            | TOLERANCE       |
|-----------|--|---------|------------|-----------------|
| (SP) 160. | Flywheel (clean):                          | 7.5 kg  | 16.5 lbs ) |                 |
| (SP) 161. | Flywheel with clutch (all rotating parts): | 12.3 kg | 27.1 lbs ) | $\pm 0.1$ lbs.  |
| (SP) 162. | Crankshaft:                                | 12.8 kg | 28.2 lbs ) |                 |
| (SP) 163. | Connecting Rod:                            | 0.63 kg | 1.39 lbs ) | $\pm 0.01$ lbs. |
| (SP) 164. | Piston with rings and pin:                 | 0.38 kg | .84 lbs )  |                 |



MAKE DODGE COLTMODEL A53 HUL2

FIA REC # \_\_\_\_\_

FOUR CYCLE ENGINES

- \* 170. Number of camshafts: one
- \* 171. Location of camshaft: cylinder head
- \* 172. Type of camshaft drive: chain
- \* 173. Type of valve operation: rocker arm

INLET (see Photo P) +

- 180. Material of inlet manifold: aluminum alloy
- 181. Overall diameter of valves: 38 mm 1.50 inches
- (SP) 182. Maximum valve lift: 9.5 mm .375 inches
- 183. Number of valve springs: one
- 184. Type of spring: coil
- \* 185. Number of valves per cylinder: one
- (SP) 186. Tappet clearance for checking timing (cold) 0.07 mm .003 inches
- (SP) 187. Valves open at (with tolerance for tappet clearance indicated):  $32^{\circ} \pm 7^{\circ}$  BTC
- (SP) 188. Valves close at (with tolerance for tappet clearance indicated):  $60^{\circ} \pm 7^{\circ}$  ABC
- (SP) 189. Air filter: (~~WEX~~) (dry) Cartridge type: (~~WEX~~) (no)

EXHAUST (see Photo Q)

- 195. Material of exhaust manifold: cast iron
- 196. Overall diameter of valves: 31 mm 1.22 inches
- (SP) 197. Maximum valve lift: 9.5 mm .375 inches
- 198. Number of valve springs: one
- 199. Type of spring: coil
- \* 200. Number of valves per cylinder: one
- (SP) 201. Tappet clearance for checking timing (cold) 0.17 mm .007 inches
- (SP) 202. Valves open at (with tolerance for tappet clearance indicated):  $63^{\circ} \pm 7^{\circ}$  BBC
- (SP) 203. Valves close at (with tolerance for tappet clearance indicated):  $29^{\circ} \pm 7^{\circ}$  ATC
- (SP) 204. Inside diameter of exhaust manifold outlet:  $35.5 \text{ mm} \pm 1.5 \text{ mm}$   
1.4 inches

CARBURETION (see Photo N)

- 210. Number of carburetors fitted: one
- (SP) 211. Type: down draft
- (SP) 212. Make: Mikuni
- (SP) 213. Model: 28-32 DIDTA-13
- 214. Number of mixture passages per carburetor: two P-28 P-1.10
- (SP) 215. Flange hole diameter of exit port of carburetor: S-32 mm S-1.26 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): P-21 mm P-.83 inches  
S-27 mm S-1.06 inches

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



MAKE DODGE COLT

MODEL A53 HUL2

FIA REC # \_\_\_\_\_

INJECTION (if fitted) N.A.

220. Make of pump:

221. Number of plungers:

(SP)222. Model or type of pump:

223. Total number of injectors:

224. Location of injectors:

(SP)225. Minimum diameter of inlet pipe: \_\_\_\_\_mm \_\_\_\_\_inches

## ENGINE ACCESSORIES

(SP)230. Fuel pump: mechanical and/or electrical

231. Number fitted: one

232. Type of ignition system: conventional distributor

233. Number of distributors: one

234. Number of ignition coils: one

235. Number of spark plugs per cylinder: one

(SP)236. Generator type: (~~XXXX~~) (alternator) Number: one

237. Method of drive: V Belt

238. Voltage of generator: 12 volts      239. Battery, number: one

240. Location of battery: engine compartment

241. Voltage of battery: 12 volts

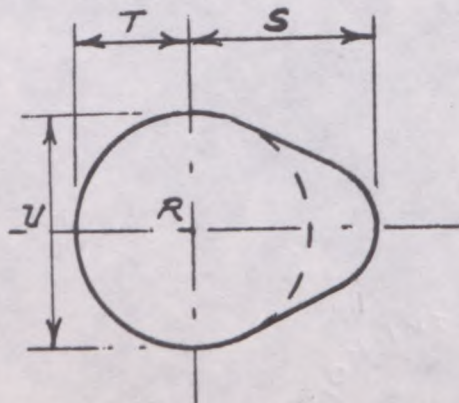
ENGINE & CAR PERFORMANCE (as declared by manufacturer in catalog)

(SP)250. Horsepower, maximum engine output: 100 at: 6,300 rpm (SAE)  
(indicate SAE or DIN)

(SP)251. Maximum rpm: 6700 (SP) Output at that figure: 98 (SAE)

(SP) 252. Maximum torque: 101 at: 4,000 rpm

(SP) 253. Maximum speed: 165 km/hour 103 miles/hour

255. CAM

(SP) Inlet cam

S =	21.0	mm	0.83 inches
T =	15.5	mm	0.61 inches
U =	31.0	mm	1.22 inches

(SP) Exhaust cam

S =	21.1	mm	0.83 inches
T =	15.5	mm	0.61 inches
U =	31.1	mm	1.22 inches

John I. Chace

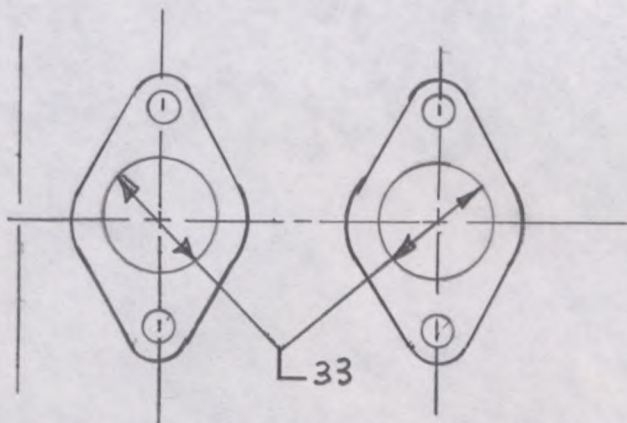


(7)

MAKE DODGE COLTMODEL A53 HUL2FIA REC #           

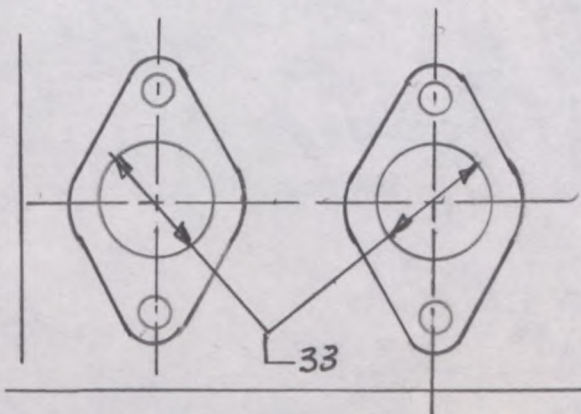
Drawing inlet manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.

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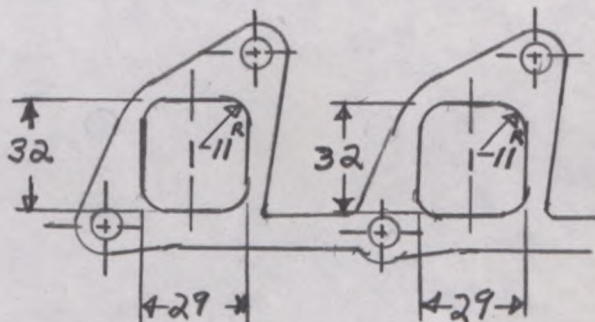
Drawing of entrance to inlet port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.

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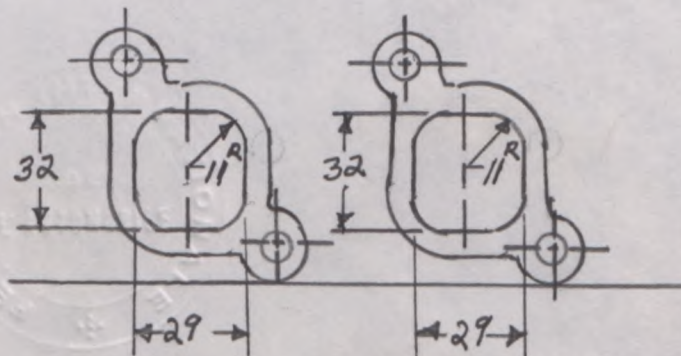


Drawing exhaust manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.

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



UNIT: mm  
TOLERANCE:  $\pm 1.5$  mm

*John T. Clavan*



MAKE DODGE COLTMODEL A53 HUL2 FIA REC #           DRIVE TRAINClutch

260. Type of clutch: dry plate      261. Number of plates: one  
 262. Diameter of clutch plates: 200 mm 7.87 inches  
 263. Inside diameter of lining: 140 mm 5.51 inches  
      Outside diameter of lining: 200 mm 7.87 inches  
 264. Method of operation: mechanical

Gear Box (Photo H)

\* 270. Manual type, make: Mitsubishi      Method of operation: mechanical  
 \* 271. Number of gear box forward ratios: four  
 272. Synchronized forward ratios: all four  
 273. Location of gear-shift: floor  
 \* 274. Automatic, make: Borg-Warner      Type: Torque Converter w/planetary gears  
 \* 275. Number of forward ratios: three  
 276. Location of gear-shift: console

277.	Manual		Automatic		Alternative Manual/Automatic			
	Ratio	No. Teeth	Ratio	No. Teeth	Ratio	No. Teeth	Ratio	No. Teeth
1	3.53	$\frac{29}{17} \times \frac{31}{15}$	2.39					
2	2.19	$\frac{29}{17} \times \frac{27}{21}$	1.45					
3	1.44	$\frac{29}{17} \times \frac{22}{26}$	1.00					
4	1.00							
5								
6								
Reverse	3.87	$\frac{29}{17} \times \frac{15}{15} \times \frac{34}{15}$	2.09					

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

FINAL DRIVE

\* 290. Type of final drive: Hypoid Gear  
 \* 291. Type of differential: Bevel Gear  
 \* 292. Type of limited slip differential (if fitted): N.A.  
 293. Final drive ratio: 3.89  
      Number of teeth: 35/9



MAKE DODGE COLT

MODEL A53 HUL2

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.

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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.



*John L. Cavan*



(10)

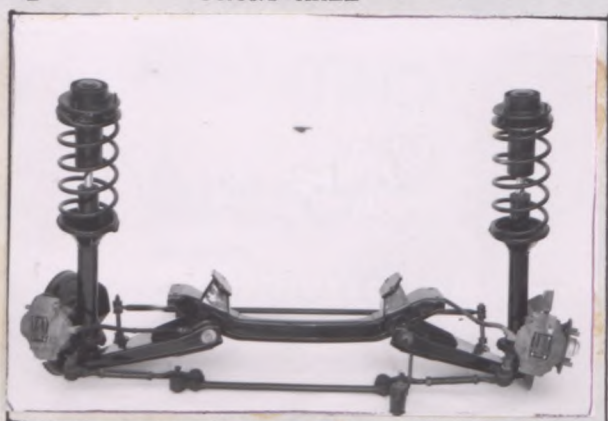
B 3/4 REAR CAR \*



C INTERIOR CAR



D FRONT AXLE \*



E REAR AXLE \*



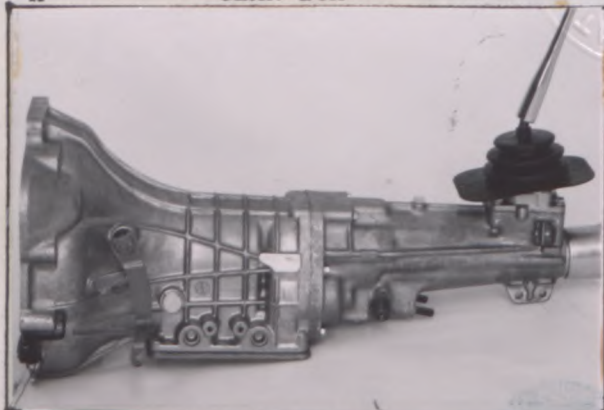
F BRAKE, FRONT \*



G BRAKE, REAR \*



H GEAR BOX \*



I EXHAUST SYSTEM



*John C. Cleaver*

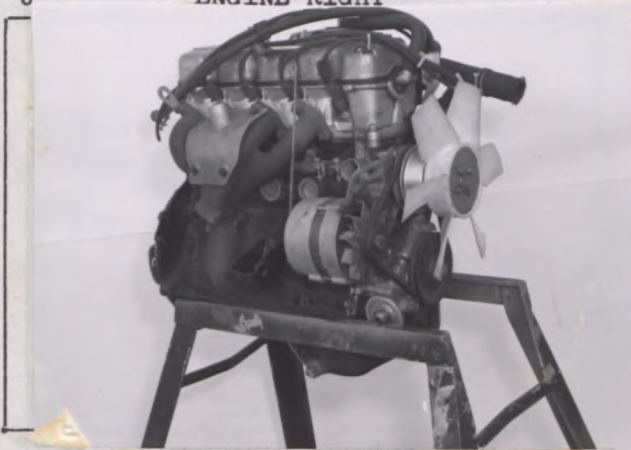


MAKE DODGE COLT

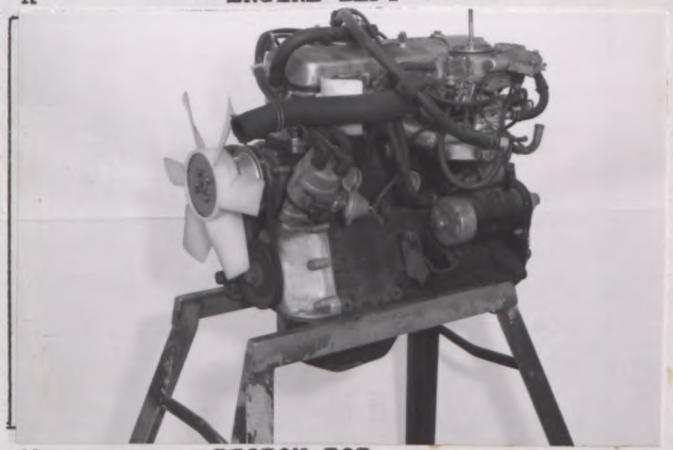
MODEL A53 HUL2

FIA REC. #           

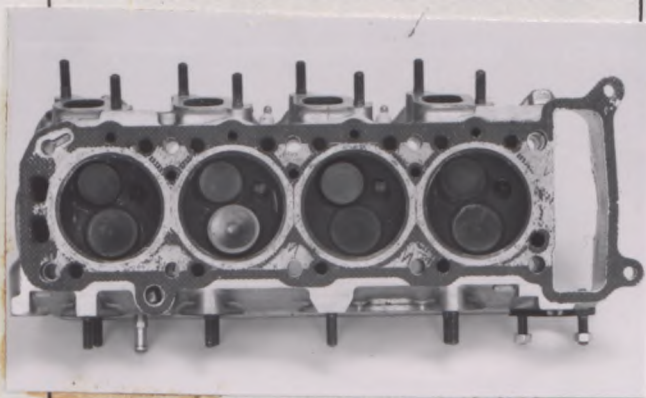
J ENGINE RIGHT \*



K ENGINE LEFT \*



L COMBUSTION CHAMBER



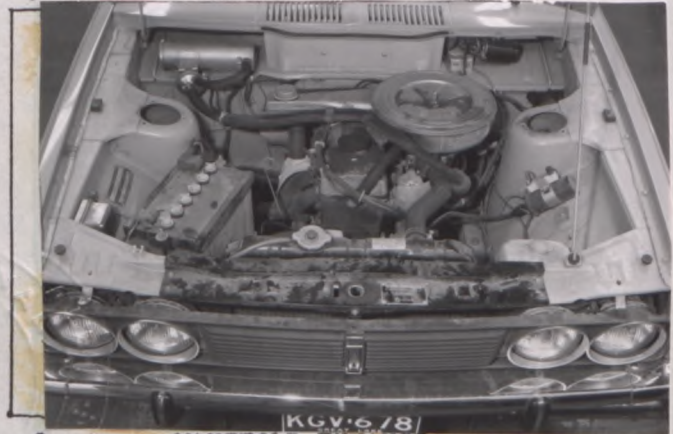
M PISTON TOP



N CARBURETOR



O ENGINE IN PLACE \*



P MANIFOLD INLET



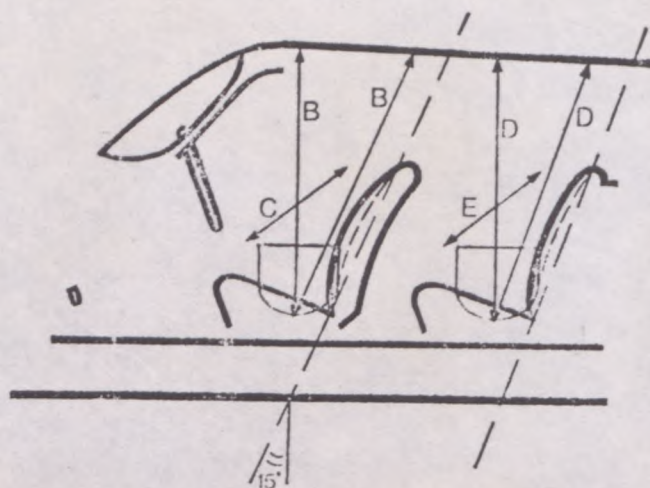
Q MANIFOLD EXHAUST



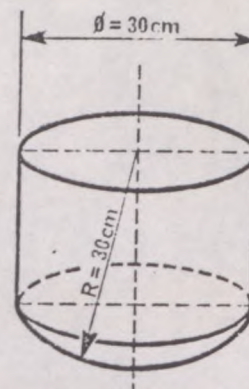
*John V. Cleaver* (12)

MAKE DODGE COLTMODEL A53 HUL2

FIA REC NO. \_\_\_\_\_



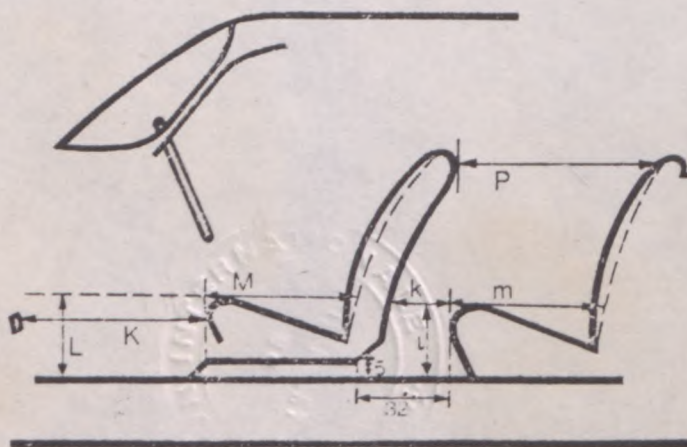
Dessin/drawing No. 1



Weight/tare 60 kgs : 200 grms.

Dessin/drawing No. 2

Dimension		Inches	MM
B	=	36.2	920
C	=	50.6	1285
D	=	35.4	900
E	=	50.0	1270



Dessin/drawing No. 3

Dimension		Inches	MM	Dimension		Inches	MM
L	=	11.1	280	l	=	13.0	330
M	=	17.7	450	m	=	17.7	450
K	=	19.7	500	k	=	7.1	180
P	=	28.0	710				

STAMP



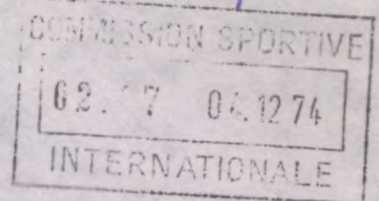
STAMP

FIA Homologation No. 5464

1/1E



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



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

DOCUMENT OF HOMOLOGATION EXTENSION  
IN CONFORMITY WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Make Chrysler - Mitsubishi Motors Corporation Model 1974 Dodge Colt  
Serial numbers initiating the modifications described below: Chassis/Body 6H23-K45-XXXXXX  
Engine 4G32 XXXXX  
Date of production of first vehicles incorporating modifications: October 1, 1973  
Designation of vehicles incorporating modifications: Dodge Colt  
This homologation extension is to be considered as a: VARIANT (Option) \_\_\_\_\_  
NORMAL EVOLUTION OF TYPE X  
(Replaces previous design)  
This Homologation is valid from 1 1 1975 List \_\_\_\_\_

DESCRIPTION OF MODIFICATIONS: Specifications same as Dodge Colt listed under FIA Homologation No. 5464 except minor exterior body changes and instrument panel.



Signature & Stamp of  
National Sporting Author

Signature & Stamp  
of the F.I.A.

