

Contrôle des poids.

3 OCT. 1965

INTERNATIONAL FEDERATION OF AUTOMOBILE GROUPS F.I.A. Recognition No
FOR TOURING CARS AND LIGHT TRUCKS Group III
127 EAST 60th STREET
N. Y. YORK 100 22, N. Y.

535

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition in accordance with
Appendix J to the International Sporting Code.

Manufacturer Chrysler-Plymouth Div. Model Barracuda G.T. Cylinder-capacity .5211.....om3 ... 318...in3
Serial No of chassis Bx29x6xxxxxxx Manufacturer Chrysler Corporation
engine x318xx Manufacturer Chrysler Corporation
Recognition is valid from List

The manufacturing of the model described in this recognition form was started
on NOV. 15, 19 65 and the minimum production of .500. identical cars, in
accordance with the specifications of this form was reached on DEC. 15, 19 65

Photograph A , 3/4 view of car from front



(Handwritten signature)

The vehicle described in this form has been subject to the following amendments :

<u>Variants</u>		<u>Normal evolution of the type</u>	
on19 ..	rec.No List	on19 ..	rec.NoList.....
on19 ..	rec.No List	on19 ..	rec.NoList
on19 ..	rec.No List	on19 ..	rec.NoList ..
on19 ..	rec.No List.....	on19 ..	rec.NoList
on19 ..	rec.No List	on19 ..	rec.No List

Stamp and signature of the
National Sporting Authority

Stamp and signature of the F.I.A.

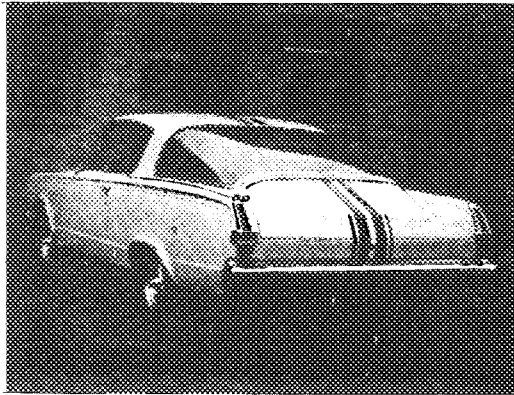
(Signature)
G. W. M. FLEMING
EXECUTIVE DIRECTOR
ACCUS FIA, INC.
433 WEST 60th STREET
STANFORD, CALIF. 94305

Make PLYMOUTH

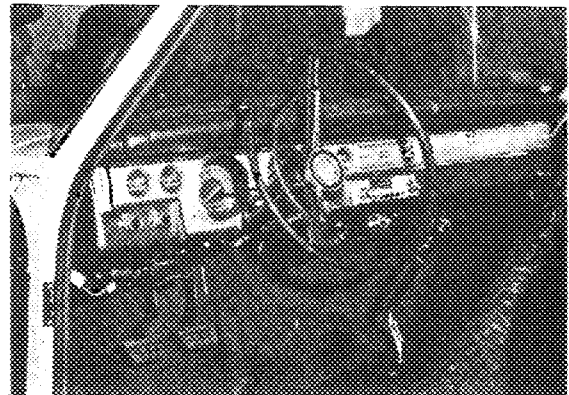
Model BARRACUDA G.T.

F.I.A. Rec. No. 535

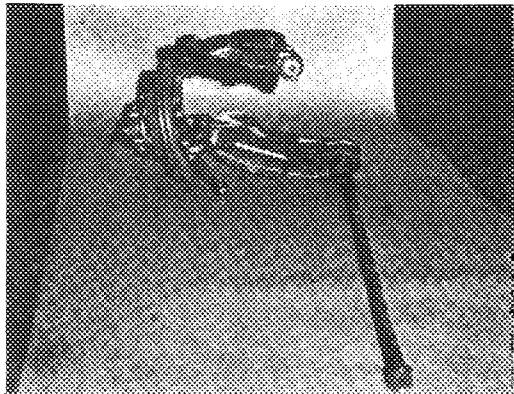
Photograph B



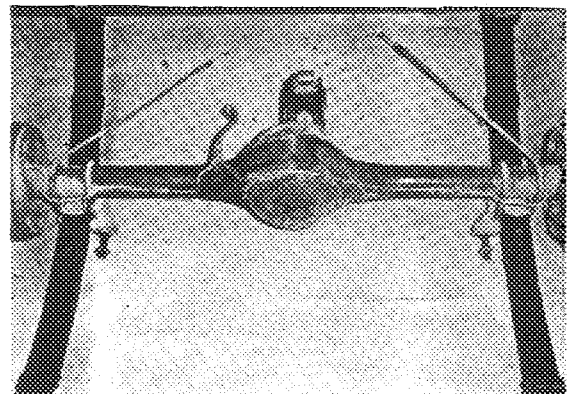
Photograph C



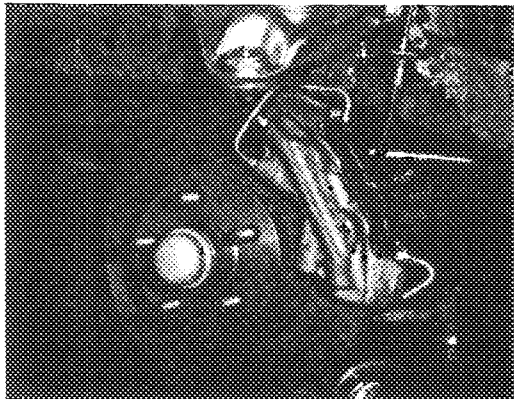
Photograph D



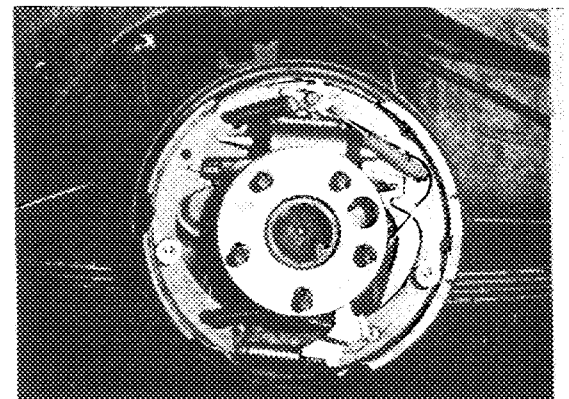
Photograph E



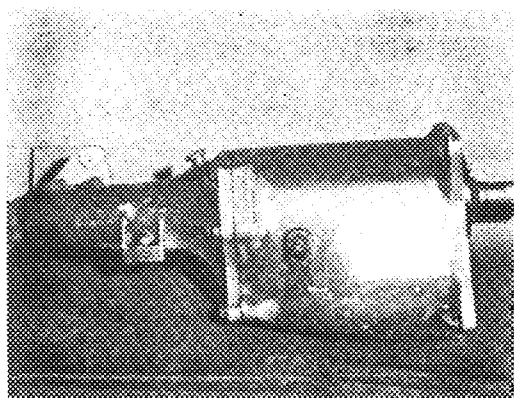
Photograph F



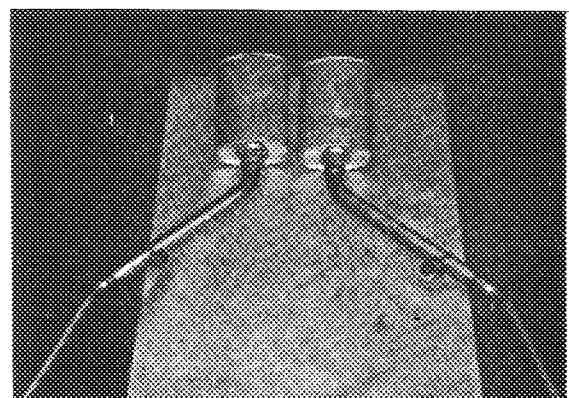
Photograph G



Photograph H



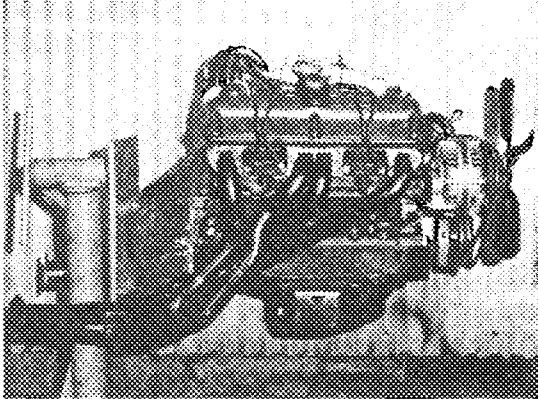
Photograph I



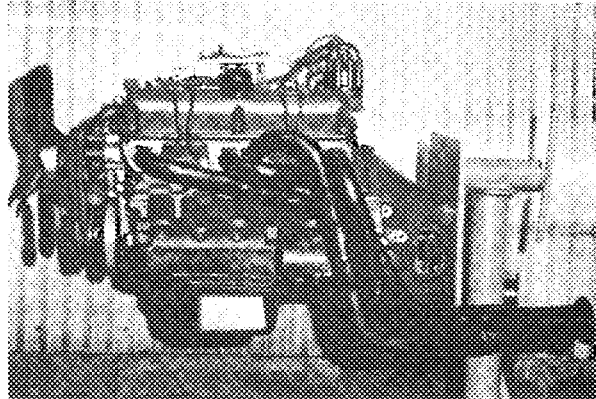
Make PLYMOUTH

Model BARRACUDA G.T. F.I.A. Rec. No 535

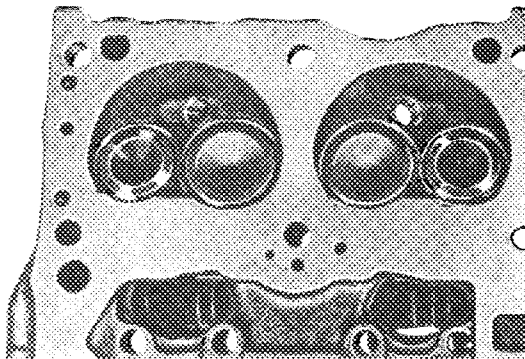
Photograph J



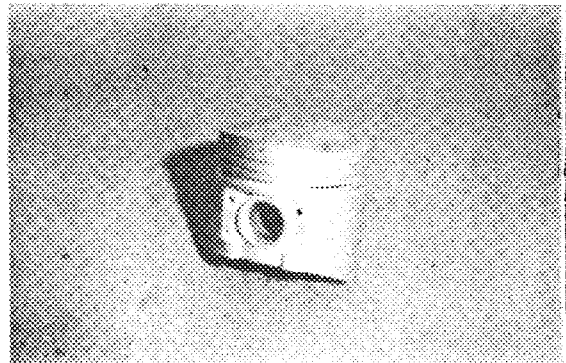
Photograph K



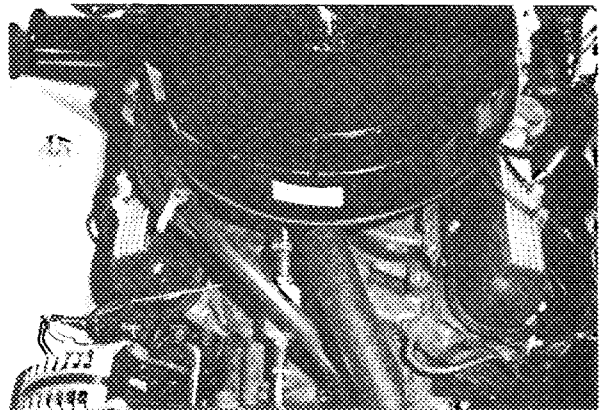
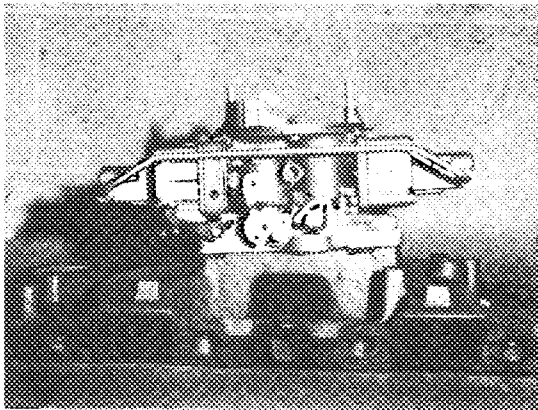
Photograph L



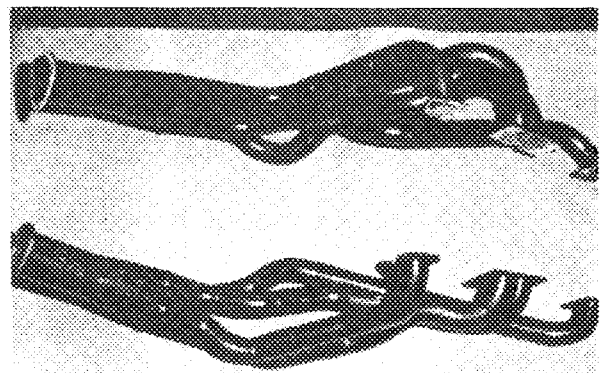
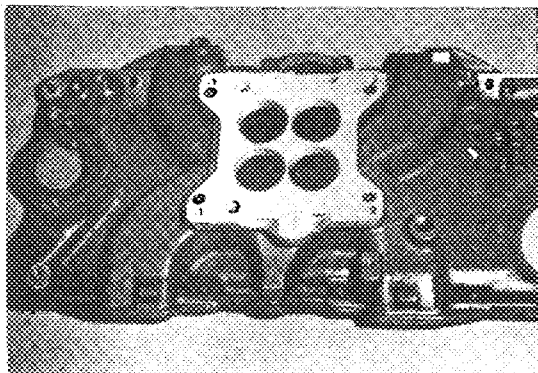
Photograph M



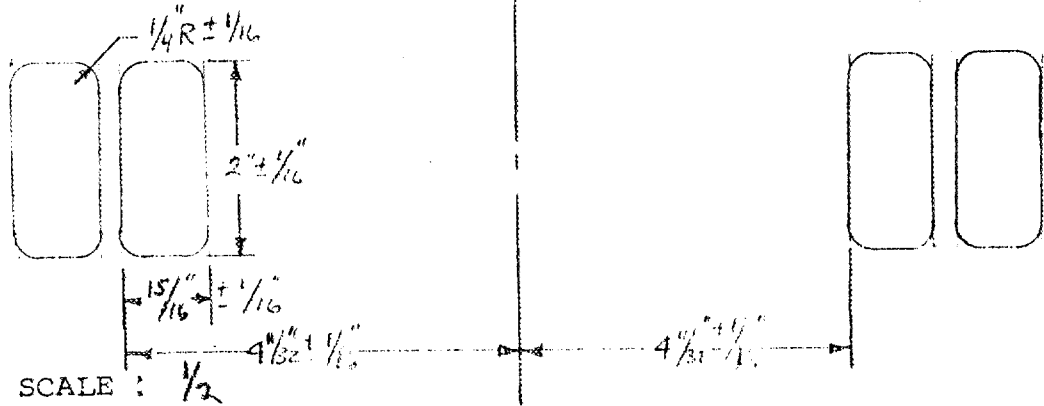
Photograph N



Photograph P



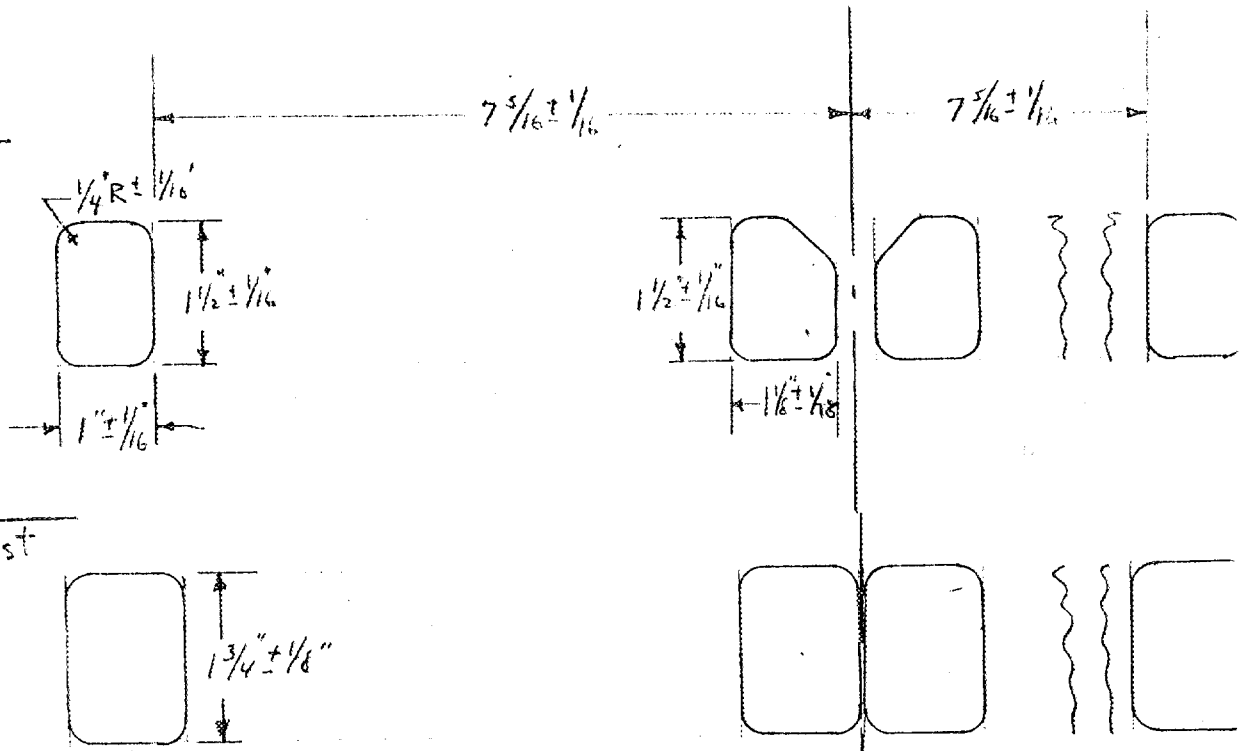
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



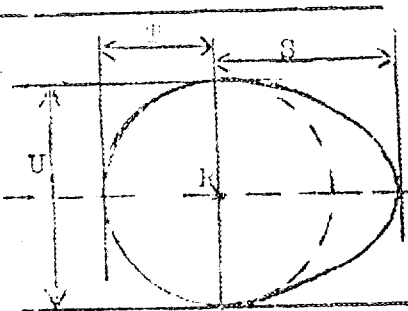
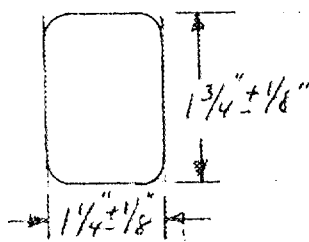
Drawing of entrance to inlet port of cylinder-head. Indicate scale dimensions and manufacturing tolerance.

SAME AS ABOVE

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



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



R = centre of camshaft.

Inlet cam

S =	24.1	mm	.95	inches
T =	17.0	mm	.67	inches
U =	33.9	mm	1.34	inches

Exhaust cam

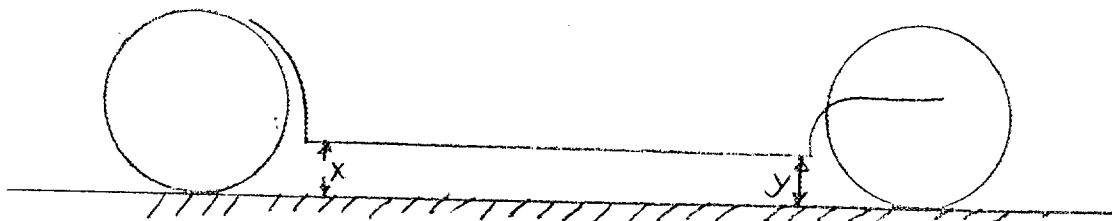
S =	24.1	mm	.95	inches
T =	17.0	mm	.67	inches
U =	33.9	mm	1.34	inches

IMPORTANT - the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

CAPACITIES AND DIMENSIONS

- | | | | | |
|--|--------------|-----------|------|-------------|
| 1. <u>Wheelbase</u> | 2700 | mm | 106 | inches |
| 2. <u>Front track</u> | 1450 | mm | 57.0 | inches * |
| 3. <u>Rear track</u> | 1440 | mm | 56.6 | inches * |
| 4. Overall length of the car | 4780 | cm | 188 | inches |
| 5. Overall width of the car | 1780 | cm | 70 | inches |
| 6. Overall height of the car | 1340 | cm | 53 | inches |
| 7. <u>Capacity of fuel tank</u> (reserve included) | 68 + 83 Aux. | | 1trs | |
| | 18 + 22 Aux. | Gallon US | | Gallon Imp. |
| 8. Seating capacity | 2 | | | |
| 9. <u>Weight</u> , total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools : | | | | |
| | 1160 | kg | 2550 | lbs |
| | | | | cwt |

*) Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognizable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.



X and Y are minimum dimension under sill

CONVERSION TABLE

1 inch/pouce	- 2.54 cm	1 quart US	- 0.9464 ltrs
1 foot/pied	- 30.4794 cm	1 pint (pt)	- 0.568 ltrs
1 square inch/pouce carré	- 6.452 cm ²	1 gallon Imp.	- 4.546 ltrs
1 cubic inch/pouce cube	- 16.387 cm ³	1 gallon US	- 3.785 ltrs
1 pound/livre (lb)	- 453.593 gr.	1 hundred weight (cwt)	- 50.802 kg

Make PLYMOUTH

Model BARRACUDA G.T. F.I.A. Rec. N° 535

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : separate / unitary construction
21. Unitary construction, material(s) Stamped Steel
- Separate construction
22. Material(s) of chassis - - -
23. Material(s) of coachwork - - -
24. Number of doors 2 Material(s) Stamped Steel
25. Material(s) of bonnet Stamped Steel
26. Material(s) of boot lid Stamped Steel
27. Material(s) of rear-window Plexiglass
28. Material(s) of windscreen Safety-Glass - Laminated
29. Material(s) of front-door windows Safety Glass
30. Material(s) of rear-door windows None
31. Sliding system of door windows Rotary Crank
32. Material(s) of rear-quarter light Safety Glass

ACCESSORIES AND UPHOLSTERY

38. Interior heating : yes - no 39. Air-conditioning : yes - no
40. Ventilation : yes - no
41. Front seats, type of upholstery Vinyl
42. Weight of front seat(s), complete with supports and rails, out of the car :
9.1 kg 20 lbs /seat
43. Rear seats, type of upholstery None
44. Front bumper, material(s) Stamped Steel Weight 6.4 kg 14 lbs
45. Rear bumper, material(s) Stamped Steel Weight 6.4 kg 14 lbs

WHEELS

50. Type Cast Aluminum with Steel Rim
51. Weight (per wheel, without tyre) 11.8 kg 26 lbs
52. Method of attachment Stud and Nut
53. Rim diameter 380 mm 15 inches
54. Rim width 178 mm 7 inches

STEERING

60. Type Worm and Ball Nut
61. Servo-assistance : yes - no
62. Number of turns of steering wheel from lock to lock 3.5
63. In case of servo-assistance 3.5

Make PLYMOUTH

Model BARRACUDA G.T. F.I.A. Rec. No

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SUSPENSION

- 70. Front suspension (photogr. D), type Independent
- 71. Type of spring Torsion Bar
- 72. Stabiliser (if fitted) Yes
- 73. Number of shockabsorbers 2 74. Type Telescopic
- 75. Rear suspension (photogr. E), type Live Axle
- 79. Type of spring Laminated Leaf
- 80. Stabiliser (if fitted) No
- 81. Number of shockabsorbers 2 82. Type Telescopic

BRAKES (photographs F and G)

- 90. Method of operation Hydraulic
- 91. Servo-assistance (if fitted), type No
- 92. Number of hydraulic master cylinders One

	FRONT			REAR		
93. Number of cylinders per wheel	4			1		
94. Bore of wheel cylinder(s) 41.28	mm	1.64	in.	20.6	mm	13/16 in.
Drum brakes						
95. Inside diameter	mm		in.	254	mm	.10 in.
96. Length of brake linings	mm		in.	445	mm	17-1/2 in.
97. Width of brake linings	mm		in.	44.5	mm	1-3/4 in.
98. Number of shoes per brake						
99. Total area per brake	mm ²		sq. in.	22,600	mm ²	137.5 sq. in.
Disc brakes						
100. Outside diameter	283	mm	11.12 in.		mm	in.
101. Thickness of disc	20.4	mm	.81 in.		mm	in.
102. Length of brake linings	122	mm	4.82 in.		mm	in.
103. Width of brake linings	47	mm	1.85 in.		mm	in.
104. Number of pads per brake	2					
105. Total area per brake	11,316	mm ²	68.4 sq. in.		mm ²	sq. in.

Make PLYMOUTH

Model BARRACUDA G.T.

F.I.A. Rec. No

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ENGINE (photographs J and K)

130. Cycle 4 131. Number of cylinders 8
132. Cylinder arrangement V8
133. Bore 99.2 mm 3.91 in. 134. Stroke 84.1 mm 3.31 in.
135. Capacity per cylinder 650 cm³ 39.7 cu.in.
136. Total cylinder-capacity 5211 cm³ 318 cu.in.
137. Material(s) of cylinder block Cast Iron
138. Material(s) of sleeves (if fitted) None
139. Cylinder-head, material(s) Cast Iron Number fitted 2
140. Number of inlet ports 4/Head 141. Number of exhaust ports 4/Head
142. Compression ratio 10.5:1
143. Volume of one combustion chamber 62.8 ± 1 cm³ 3.82 ± .08 cu.in.
144. Piston, material Aluminum 145. Number of rings 3
146. Distance from gudgeon pin centre line to highest point of piston crown
49 mm 1.94 inches
147. Crankshaft : mandrel / stamped 148. Type of crankshaft : integral/...
149. Number of crankshaft main bearings 5
150. Material of bearing cap Cast Iron
151. System of lubrication : dry sump / oil in sump
152. Capacity, lubricant 7.6 litres pts 8 quarts US
153. Oil cooler: yes/ no 154. Method of engine cooling Water
155. Capacity of cooling system 16.1 litres pints 17 quarts US
156. Cooling^{fan} (if fitted), dia. 40.8 cm 16 inches
157. Number of blades of cooling fan 4

Bearings

158. Crankshaft main, type Insert Dia. 63.5 mm 2.50 in.
159. Connecting, big end, type Insert Dia. 54.1 mm 2.14 in.
rod

Weights

160. Flywheel (seen) 9.10 ± .02 kg 20.0 ± .4 lbs
161. Flywheel with clutch (all turning parts) 18.2 ± .5 kg 40.0 ± 1 lbs
162. Crankshaft 5.4 ± .1 kg 11.8 ± .2 lbs 163. Connecting rod, 73 ± .03 kg 160 lbs
164. Piston with rings and pin .80 ± .04 kg 1.76 lbs

Make PLYMOUTH

Model BARRACUDA G.T.

F.I.A. Rec. No 535

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location In Block

172. Type of camshaft drive Chain and Sprocket

173. Type of valve operation Push-Rod

INLET (see page 4) *

180. Material(s) of inlet manifold Aluminum

181. Diameter of valves 50.8 mm 2.00 inches

182. Max. valve lift 10.5 mm in. 183. Number of valve springs 1/valve

184. Type of spring Coil 185. Number of valves per cylinder 1 Intake

186. Tappet clearance for checking timing (cold) .41 mm .017 inches

187. Valves open at (with tolerance for tappet clearance indicated) 14 BTC

188. Valves close at (with tolerance for tappet clearance indicated) 54 ABC

189. Air filter, type Dry - Paper Element

EXHAUST (see page 4)

195. Material(s) of exhaust manifold Steel

196. Diameter of valves 41.9 mm 1.65 inches

197. Max. valve lift 10.8 mm in. 198. Number of valve springs 1/valve

199. Type of spring Coil 200. Number of valves per cylinder 1 exhaust

201. Tappet clearance for checking timing (cold) .76 mm .030 inches

202. Valves open at (with tolerance for tappet clearance indicated) 56 BBC

203. Valves close at (with tolerance for tappet clearance indicated) 12 ATC

CARBURETION (photograph N)

210. Number of carburetors fitted 1 211. Type Downdraft

212. Make Holley 213. Model 4160

214. Number of mixture passages per carburettor 4

215. Flange hole diameter of exit port(s) of carburettor 42.8 mm 1.69 in.

216. Minimum diameter of venturi/minimum diam. with piston at maximum height

PRI 35.0 Sec 36.6mm PRI 1.38 Sec 1.44 inches

INJECTION (if fitted) NONE

220. Make of pump

221. Number of plungers

222. Model or type of pump

223. Total number of injectors

224. Location of injectors

225. Minimum diameter of inlet pipe

mm

inches

*) for additional information concerning two-stroke engines and super-charged engines see page 13.

Make PLYMOUTH

Model BARRACUDA G.T. F.I.A. Rec. N° 535

ENGINE ACCESSORIES

230. Fuel pump : mechanical and/or electric 231. N° fitted 1
232. Type of ignition system Coil 233. N° of distributors 1
234. N° of ignition coils 1 235. N° of spark plugs per cylinder 1
236. ~~Generator~~, number fitted 1 237. Method of drive Belt
238. Voltage of generator 12 volts 239. Battery, number 1
240. Location In trunk
241. Voltage of battery 12 volts

ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)

250. Max. engine output 260 (type of horsepower: SAE) at 5500 rpm
251. Maximum rpm 6000 output at that figure 250
252. Maximum torque 280 at 4000 rpm
253. Maximum speed of the car 180 km/hour 130 miles/hour

Make PLYMOUTH

Model BARRACUDA G.T. F.I.A. Rec. N°

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DRIVE TRAIN

CLUTCH

- 260. Type of clutch Dry Plate 261. N° of plates 1
- 262. Dia. of clutch plates 241 cm 9.5 inches
- 263. Dia. of linings, inside 152 cm 6.0 in, outside 241 cm 9.5 in.
- 264. Method of operating clutch Mechanical Linkage

GEAR BOX (photograph H)

- 270. Manual type, make Chrysler
- 271. N° of gear-box ratios forward 4 272. Synchronized forward ratios 4
- 273. Location of gear-shift on floor
- 274. Automatic, make Chrysler type Torque Converter, Planetary Gear
- 275. N° of forward ratios 3 276. Location of gear-shift on floor

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	N° teeth	Ratio	N° teeth	Ratio	N° teeth	Ratio	N° teeth
1	2.66	$\frac{24-31}{17-35}$	2.45	Anulus 62	2.66	$\frac{24-31}{17-35}$		
2	1.91	$\frac{24-31}{23-34}$	1.45	Sun 28	1.65	$\frac{24-31}{25-32}$		
3	1.39	$\frac{24-31}{27-29}$	1.00	Pinion 17	1.20	$\frac{24-31}{29-27}$		
4	1.00	- - -			1.00	- - -		
5								
6								
reverse	2.58	$\frac{24-31}{11-22-34}$	2.20		2.58	$\frac{24-31}{11-22-34}$		

- 278. Overdrive, type None
- 279. Forward gears on which overdrive can be selected - - -
- 280. Overdrive ratio - - -

FINAL DRIVE

- 290. Type of final drive Hotchkiss
- 291. Type of differential Semi-Floating
- 292. Type of limited slip differential (if fitted) Multiple Disc
- 293. Final drive ratio 3.55 - 3.23 - 3.91 - 2.93
- Number of teeth 11-39 - 13-42 - 11-43 - 11-41

MAKE PLYMOUTH

Model BARRACUDA G.T. P.L.A. Doc. No 535

MEMORANDUM - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 70, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 165, 164, 182, 184, 186, 187, 188, 189, 190, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, H and N.

During the scrutineering of cars entered in group 4 (Sportscars) 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, 73, 79, 90, 120, 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 and photographs A, B, D, E, F, G, H, J, K and O.

Optional equipment affecting preceding information. This to be stated together with reference number.

50. - Wheels - Stamped Steel 380 mm dia. x 178 mm wide



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F I A INTERNATIONAL

STANDARD CERTIFICATE OF MINIMUM PRODUCTION

Name of Manufacturer Chrysler-Plymouth Division; Chrysler Corporation

Name of Model Barracuda G.T.

Manufacturer's Reference No. of Application PB29 GT

We certify that in excess of 500 cars identical with the basic specification stated in this application were completed on (date) December 15, 1965. Production commenced on November 15, 1965.

Cars conforming to this specification may be identified by Vehicle Nos. Bx29x6xxxxxxx and Engine Nos. X318xx.

Name of Company CHRYSLER CORPORATION

Division Chrysler-Plymouth Division

by *H. E. Weiss*
H. E. Weiss

Title Manager - Valiant Product Planning

by *R. J. Cahill*
R. J. Cahill

Title Manager - Special Performance Events

G. W. M. FLEMING
EXECUTIVE DIRECTOR
ACCUS. FIA INT
433 MAIN STREET
STAMFORD, CONN. 06904

P. O. BOX 1919, DETROIT, MICHIGAN 48231

RECEIVED
JUN 2 1964
RECEIVED
ACCUS - FIA, INC.



5/28/64

Name of Manufacturer - Chrysler-Plymouth Div., Chrysler Corporation
Name of Model - Plymouth-Barracuda
Manufacturers Reference
No. of Application - VV2-P-29

We certify that in excess of 1,000 cars identical with the basic specification stated in this application were completed on June 1, 1964. Production commenced on April 15, 1964. Cars conforming to this specification may be identified by Chassis Nos. 114xxxxxxx, 134xxxxxxx, 144xxxxxxx, 154xxxxxxx, 174xxxxxxx. Engine Nos. V-273xxxxxxx

Name of Company CHRYSLER CORPORATION

Division Chrysler-Plymouth Division

By A. W. Steckling
A. W. STECKLING

Title Director-Special Cars &
Chief Engineer

By H. E. Riley
H. E. RILEY

Title Mgr., Valiant Product Planning

AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, FIA, INC.
107 EAST 38th STREET
NEW YORK 16, N. Y.

George E. Stand

JUN 24 1964

THE AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, FIA INC.
515 MADISON AVENUE
NEW YORK 22, N. Y.

TEL: Eldorado 5-0900

CABLE: ACCUSFIA NEW YORK

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of Recognition in accordance with Appendix J to the International Sporting Code.

Manufacturers Reference No. for

Application VV2 - P-29

F.I.A. Recognition No. _____

Manufacturer Plymouth Division - Chrysler Corporation

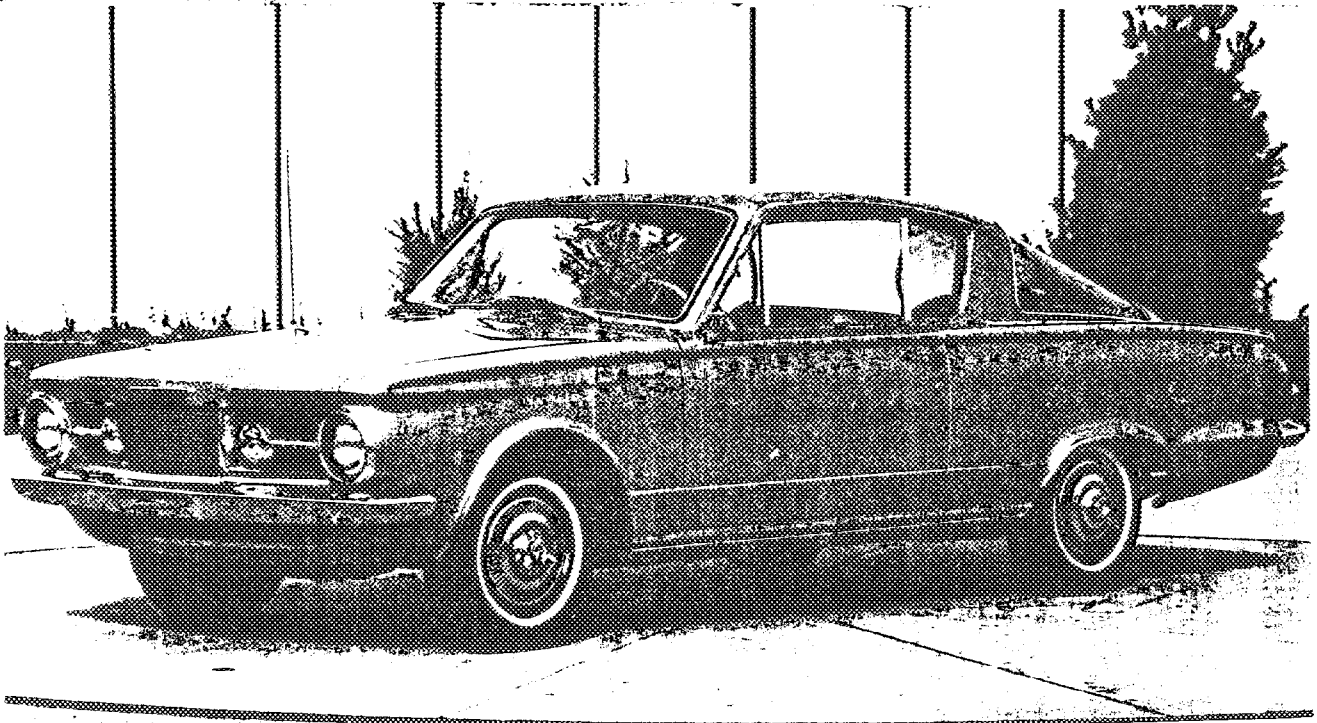
Model Barracuda Year of Manufacture 1964

Serial No. of Chassis starts with 114xxxxxxx, 134xxxxxxx, 144xxxxxxx
154xxxxxxx, 174xxxxxxx

Engine starts with V-273

Type of Bodywork 2 Dr. Sedan

Recognition is valid from _____ In Category Touring X
or Grand Touring _____



Stamp of ACCUSFIA, INC.
to be affixed here.

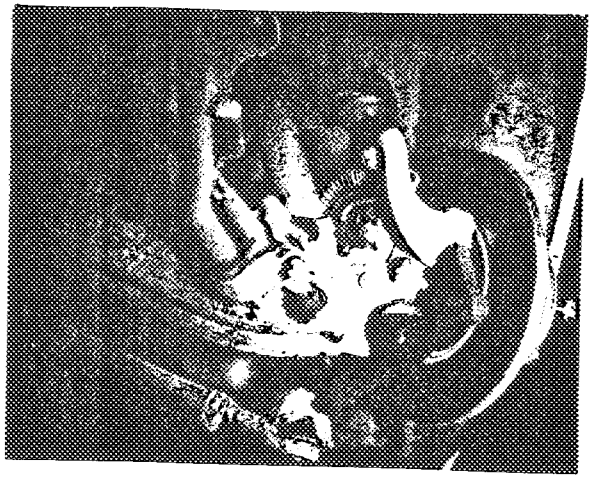
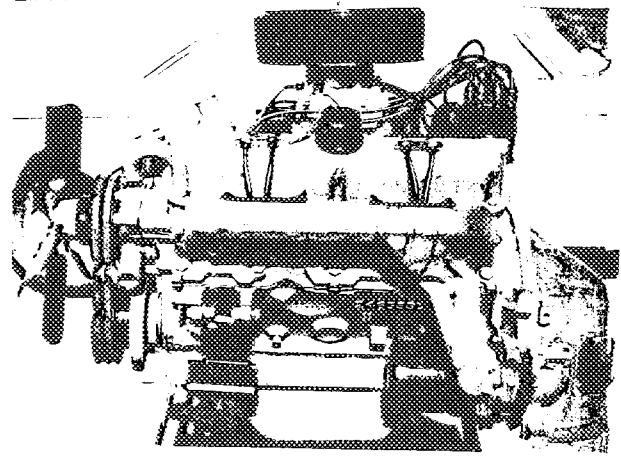
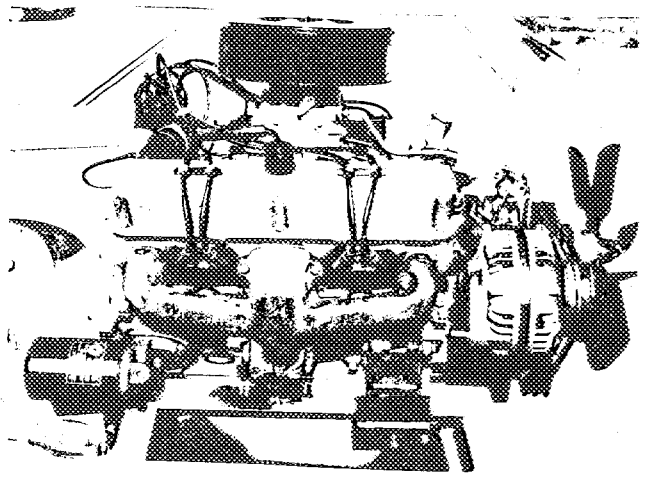
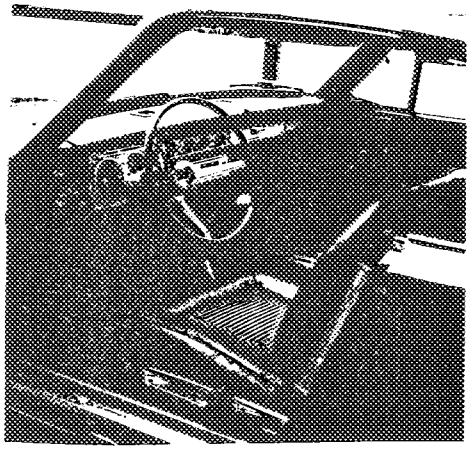
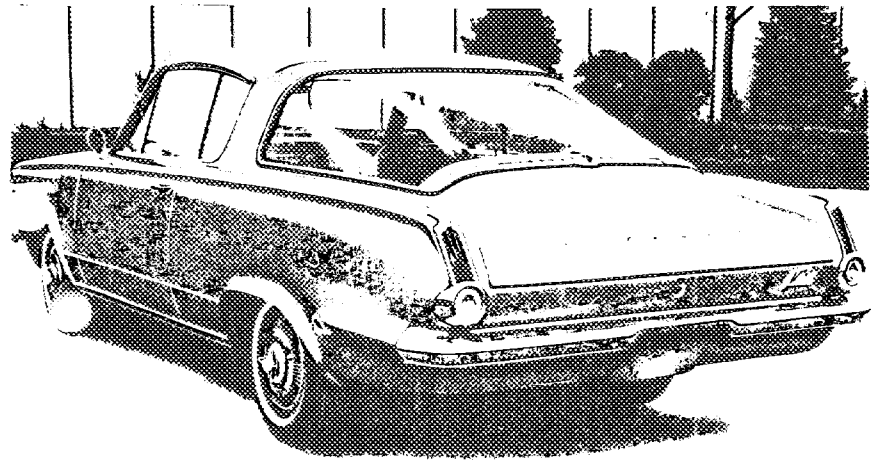
Stamp of F.I.A. to be
affixed here.

Signed

George C. Stand
Sec'y

General description of car: (specifying materials of Bodywork) Two door body shell of "unit construction with chassis" All major body and chassis panels are of pressed steel and are welded or bolted together. Grill and grill frame are aluminum. Other trum items are either stainless steel, aluminum or die castings.

Photographs to be affixed below:



ENGINE

No. of cylinders * 8 in line _____
in V X
opposed _____

Cycle 4 Firing order 18436572

Capacity 4481.1 c.c. Bore 92.1 m.m. Stroke 84.1 m.m.
Maximum rebore 1 m.m. Resultant capacity 4578.9 c.c.

Material of cylinder block Cast Iron Material of sleeves, if fitted none

Distance from crankshaft center line to top face of block at center line of cylinders 243.7 / 244.0 m.m.

Material of cylinder head Cast Iron Volume of one combustion chamber 61.3 / 64.3 c.c.

Compression ratio 10.5:1

Material of piston aluminum No. of piston rings 3

Distance from wrist pin center line to highest point of piston crown 48.9/49.0 m.m.

Bearings (Crankshaft main bearings: Type Babbit on steel Dia. 63.5 m.m.
(Connecting rod big end: Type Bimetal grid Dia. 54.1 m.m.)

Weights (Flywheel 9.08 - 9.12 kg.
(Crankshaft 25.2 - 26.2 kg.
(Connecting rod .70 - .76 kg.
(Piston with rings .56 - .62 kg.
(Wrist pin .20 - .22 kg.

No. of valves per cylinder 2 Method of valve operation pushrod

No. of camshafts 1 Location of camshaft cyl. block

Type of camshaft drive Chain and Sprocket

Diameter of valves: Inlet 45.2 m.m. Exhaust 38.1 m.m.

Diameter of port at valve seat: Inlet 42.0 - 42.6 m.m. Exhaust 35.3 - 35.9 m.m.

Tappet clearance for checking timing: Inlet .33 hot m.m. Exhaust .53 hot m.m.

Valves open: Inlet 14 BTC Exhaust 56 BBC

Valves close: Inlet 54 ABC Exhaust 12 ATC

Maximum valve lift: Inlet 10.5 m.m. Exhaust 10.8 m.m.

Degrees of crankshaft rotation from zero to -

Maximum lift: Inlet 124 Exhaust 124

3/4 Maximum lift: Inlet 74 Exhaust 74

Valve springs: Inlet Exhaust

Type Coil Coil

No. per valve 1 1

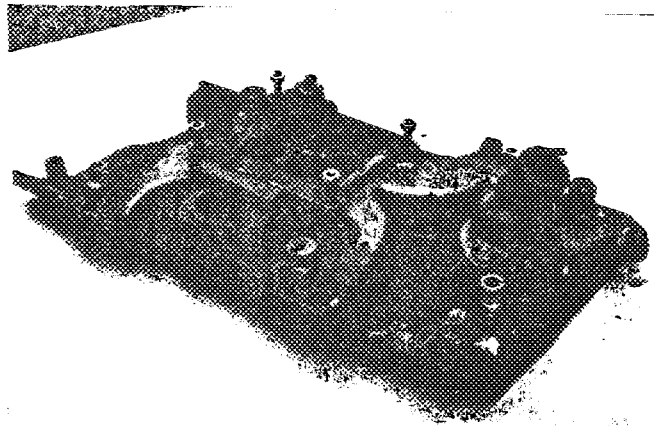
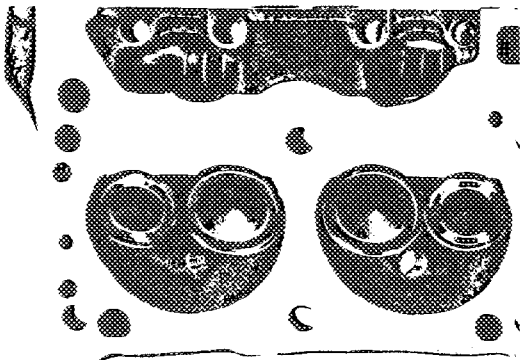
Carburetor: Type Downdraft No. fitted 1 (4BBL.)
(up or down draft, horizontal)

Make Carter Model AFB - 3853 S

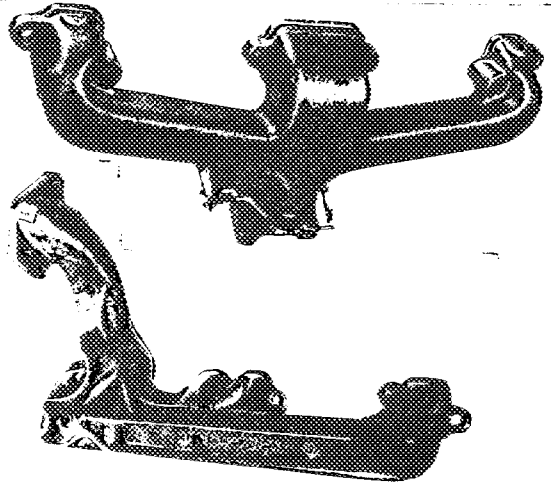
Flange hole diameter pri 36.6, Sec. 39.6 Choke diameter pri 27.0 m.m.

Main jet identification No. 120-252 and 120-175 sec. 31.8

Air filter: Type Paper Element No. fitted One
 Inlet manifold:
 Diameter of flange hole at carburetor 41.0 ± 2.0 m.m.
 Diameter of flange hole at port 48.0 ± 2.0 x 22.0 ± 2.0 m.m.



Exhaust manifold:
 Diameter of flange hole at port 39.8 ± 2.0 x 27.9 ± 2.0 ends and
 Diameter of flange hole at connection to muffler inlet pipe 68.6 ± 2.0 x 39.9 ± 2.0 center m.m.
RT 44.7 ± 2.0 m.m.
LT 41.1 ± 2.0



ENGINE ACCESSORIES

Make of fuel pump Carter No. fitted One
 Method of operation Mechanical

Type of ignition system Coil coil or magneto
 Make of ignition Chrysler Model 2444448
 Method of advance and retard Centrifugal and Vacuum

Make of ignition coil Essex or Prestolite Model 67-160-4 or 200759
 No. of ignition coils One Voltage 12

Make of ~~generator~~ alternator Chrysler Model 2098830
 Voltage of ~~generator~~ alternator 13.7 Maximum output 30 amps.

Make of starter motor Chrysler Model 2095150

Battery: No. fitted 1 Voltage 12 Capacity 48 amp. hour

TRANSMISSION

Make of clutch Auburn Type Dry Plate
 Diameter of clutch plate 24.1 cm No. of plates one
 Method of operating clutch Mechanical
 Make of gearbox Chrysler Type Synchro-Mesh
 No. of gearbox ratios 4 forward and 1 reverse
 Method of operating gearshift Manual
 Location of gearshift on floor
 Is overdrive fitted? No
 Method of controlling overdrive, if fitted ----

Speed	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1st.	3.09	22-33	2.66	24-31				
		17-35		17-35				
2nd.	1.92	22-33	1.91	24-31				
		25-32		23-34				
3rd.	1.40	22-33	1.39	24-31				
		29-27		29-27				
4th.	1.00	--	1.00	--				
5th.	--							
Reverse	3.00	22-33	2.58	24-31				
		11-22-34		11-22-34				

Type of final drive Hotchkiss
 Type of differential Semi Floating; Limited slip optional
 Final drive ratio 3.55 Alternatives 2.93, 3.23, 3.91
 No. of teeth 11-39 11-41 13-42 11-43
 Overdrive ratio, if fitted ---

WHEELS

Type Pressed Steel Disc. Weight 7.8 ± 1.0 kg.
 Method of attachment Stud and Nut
 Rim diameter 330 m.m. Rim width 140 m.m.
 Tire size: Front 178 x 330 Rear 178 x 330

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? Yes - Optional
 Type of servo, if fitted Vacuum Actuated
 No. of hydraulic master cylinders 1 Bore 28.6 m.m.

	Front	Rear
No. of wheel cylinders		one
Bore of wheel cylinders	m.m.	23.2 ± .2 m.m.
Inside diameter of brake drums	m.m.	228.6 ± 1.0 m.m.
No. of shoes per brake		two
Outside diameter of brake discs	254.0 m.m.	
No. of pads per brake	two	

Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)

	Front	Rear
Length segment	top 95.3 m.m.	195 m.m.
	bottom 73.6 m.m.	250 m.m.
Width	50.8 m.m.	50.8 m.m.
Total area per brake	8,760 m.m. ²	22,600 m.m. ²

SUSPENSION

	Front	Rear
Type	Independent	semi elliptic
Type of spring	Torsion Bar	laminated leaf
Is stabiliser fitted?	yes	no
Type of shock absorber	telescopic	telescopic
No. of shock absorbers	two	two

STEERING

Type of steering gear	Recirculating Ball and Nut	
Turning circle of car	11.5	m., approx.
No. of turns of steering wheel from lock to lock	4.0 ± .3	

CAPACITIES AND DIMENSIONS

Fuel tank	68.2	litres	Sump	4.7	litres
Radiator	16.1	litres			
Overall length of car	478	cm.	Overall width of car	178	cm.
Overall height of car, unladen (with top up, if appropriate)				140	cm.
Distance from floor to top of windshield:					
Highest point	104	cm.	Lowest point	101	cm.
Width of windshield:					
Maximum width	133	cm.	Minimum width	119	cm.
*Interior width of car	137	cm.			
No. of seats	4				
Track: Front	145	cm.	Rear	142	cm.
Wheelbase	270	cm.	Ground clearance	165	m.m.
Overall weight with water, oil and spare wheel, but without fuel			1177	kgs.	

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Additional information for cars fitted with two-cycle engines only:

System of cylinder scavenging _____
Type of lubrication _____

Size of inlet port:
Length measured around cylinder wall _____ m.m.²
Height _____ m.m. Area _____ m.m.²

Size of exhaust port:
Length measured around cylinder wall _____ m.m.²
Height _____ m.m. Area _____ m.m.²

Size of transfer port:
Length measured around cylinder wall _____ m.m.²
Height _____ m.m. Area _____ m.m.²

Size of piston port:
Length measured around piston _____ m.m.²
Height _____ m.m. Area _____ m.m.²

Method of pre-compression _____
Bore and stroke of pre-compression cylinder, if fitted _____ m.m.

Distance from top of cylinder block to lowest point of inlet port _____ m.m.
Distance from top of cylinder block to highest point of exhaust port _____ m.m.
Distance from top of cylinder block to highest point of transfer port _____ m.m.

Drawing of cylinder ports.

Supercharger, if fitted
Make _____ Model or Type No. _____
Type of drive _____ Ratio of drive _____

Fuel injection, if fitted
Make of pump _____ Model or Type No. _____
Make of injectors _____ Model or Type No. _____

Location of injectors _____

Optional equipment affecting preceding information:-

1. 3 speed auto trans.

1 st. 2.45:1

2 nd. 1.45:1

3 rd. 1.00:1

Reverse 2.20:1

2. Steering - Recirculating Ball & Nut 3.5 turns L. to L. power
Optional

Application for Variant to be attached to FIA Recognition Form No. 1331

Manufacturer Chrysler-Plymouth Division, Chrysler Corporation

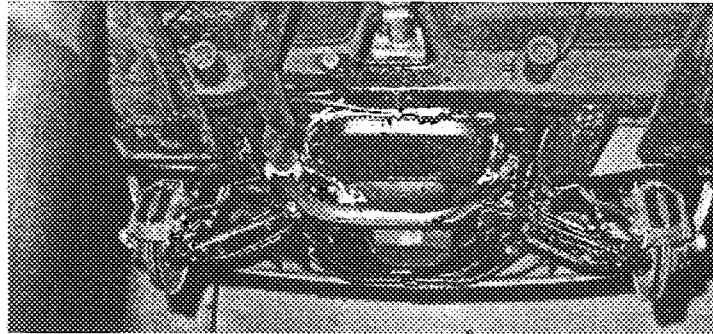
Model Plymouth Barracuda

Variant concerns the following parts:

Wheels: Pressed steel disc 355 mm dia. x 140 mm wide

Tires: 175 x 355 mm

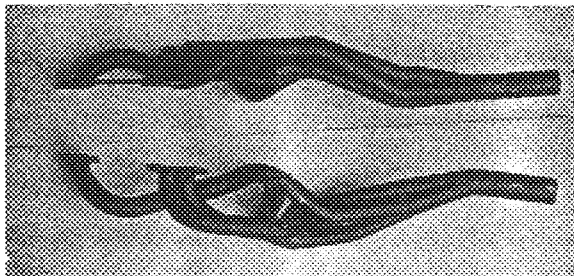
Brakes: Kelsey-Hayes front disc. Hydraulic master cylinder 25.4 mm



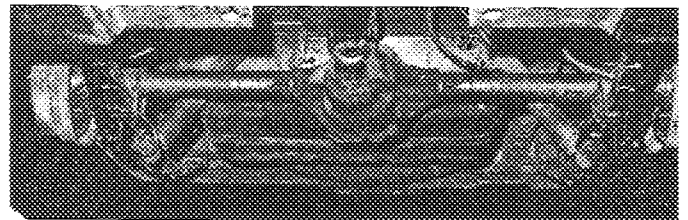
Front Suspension with Kelsey-Hayes Disc Brakes

Front (disc)		Rear (drum)	
O.D. disc	283 mm	Wheel Cylinder	23.2+ .2 mm
No. pads/brake	2	Brake drum I.D.	254 + 1.0 mm
		Shoes/brake	2
Linings:		Length:	
Length	122 mm	Primary	215 + 10 mm
Width	47 mm	Secondary	270 + 10 mm
		Width:	44.5+ 2 mm

Engine: H.D. Radiator 17 liters; H.D. Oil Sump 7 liters
H.D. Clutch 241 mm Borg & Beck single dry plate
Sport Camshaft Inlet Exhaust
Valve Opens 34 BTC 70 BBDC
Valve Closes 74 ABDC 34 ATC
Max. Valve Lift 11.4 mm 11.6 mm



Exhaust manifolds of steel tubing



Suspension: Rear Suspension - additional rear axle control strut on each side.

Gas Tank: 49.2 liter trunk mounted aux. tank

FOR THE UNITED STATES, FIA, INC.
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NEW YORK 16, N. Y.