

Telephone: (203) 348-6233

Cable Address: "ACCUSFIA" Stamford, Conn.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.

433 MAIN STREET, STAMFORD, CONN. 06901



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

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CONVERSION TABLE:

1	inch / pouce	2.54 cm	
1	foot / pied	30.479 cm	
1	square inch / pouce carre	6.452 cm2	
1	cubic inch / pouce cube	16.387 cm3	
1	pound (lb.) / livre	453.593 gr	
1	pint (U.S.)	.473 ltrs	.833 pt. Imp.
ION T	quart (U.S.)	.946 ltrs	.833 qt. Imp.
	gallon (U.S.)	3.785 ltrs	.833 gal.Imp.
	pint (Imp.)	.568 ltrs	1.20 pt. U.S.
	quart (Imp.)	1.136 ltrs	1,20 qt, U.S.
1	<pre>quart (U.S.) gallon (U.S.) pint (Imp.) quart (Imp.) gallon (Imp.)</pre>	4.546 ltrs	1.20 gal. U.S.
	•		

AUTOMOBILE COMPUTITION COMMITTEE FOR THE UNITED STATES, FIA, INC.



433 MAIN ST. STAMFORD, CONN. 06901 (203) 348-6233

Federation Internationale de l'Automobile FORM OF RECOGNITION

In accordance with Appendix "J" of the	he International Sporting Code
Cylinder capacity Chrysler-Plymouth Division Manufacturer	6286.1 cm3 383.6 in3 Model Barracuda
Serial # Chassis <u>Bx2xx7xxxxxxx</u>	Manufacturer Chrysler Corporation
Serial # Engine <u>C383xx</u>	Manufacturer Chrysler Corporation
Recognition valid from	List
The manufacturing of the model descrives started on February 15, 1067 and the ridentical cars, in accordance with the was reached on May 15, 1967, 1967	minimum production of 5000 he specifications of this form,
(*), need not be answered for Group :	II and III cars,

(*), need not be answered for Group II and III cars.
(**) only need to be answered for Group IV cars.

A 3/4 Front View Car



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

Varia				
on	19	rec	#	list
on	19	rec	#	list
on	19	rec	#	list

Normal	evol	utio	n of		
on	9	rec	#	lis	t
on	. 9	rec	#	lis	st
on	9	rec	#	lis	

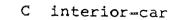
Stamp/Signature of National Sporting Authority

Stamp/Signature F.I.A.

JOHN V. OLIVEAU
TECHNICAL DIRECTOR
AGCUB, FLA, INC.

B 3/4 rear car

(**)

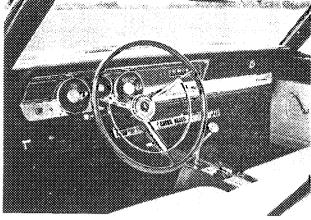






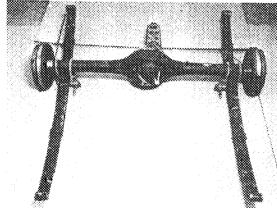
D front axle





E rear axle



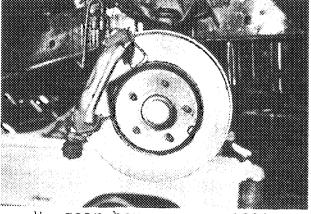


F brake, front

3 3

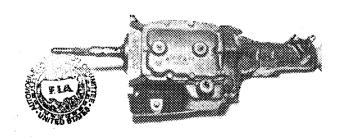
G brake, rear



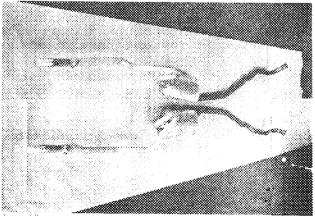


H gear box

I exhaust system (*)



STAMP

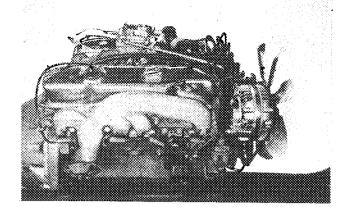


STAMP

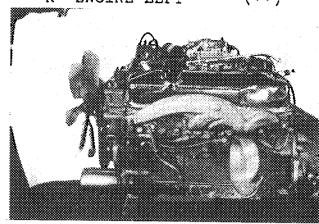
ENGINE RIGHT



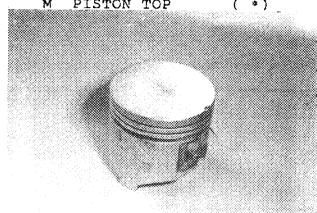
K ENGINE LEFT



COMBUSTION CHAMBER

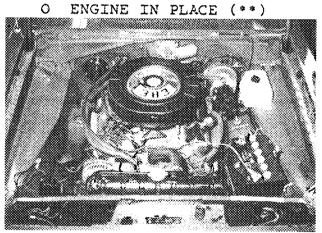


PISTON TOP

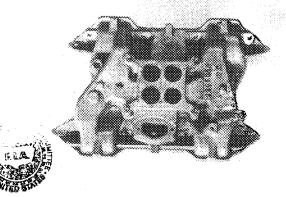


CARBURETOR (*)

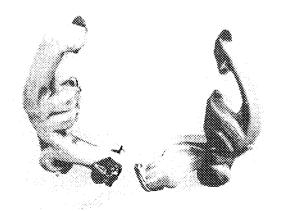
P MANIFOLD INLET



MANIFOLD EXHAUST

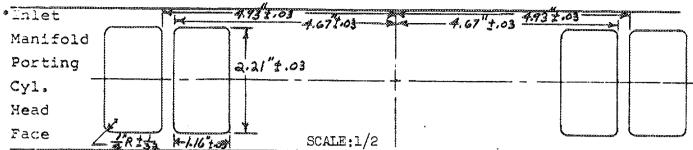


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Strip out: ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURÉR'S TOLÉRANCES.

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



*Cylinder

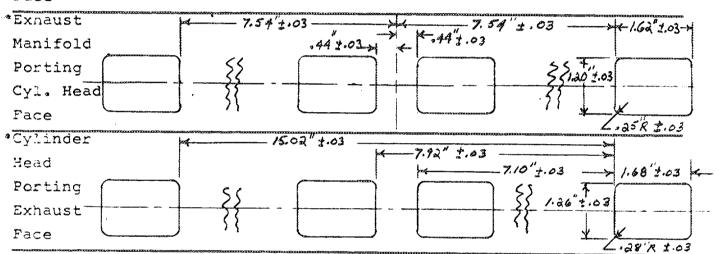
Head

Porting

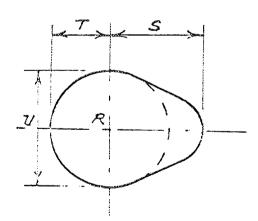
SAME AS ABOVE

Inlet

Face







24.1	mm	0.95	in
17.0	mm	0.67	in
34.0	mm	1.34	in
	24.1 17.0	17.0 mm	24.1 mm 0.95 17.0 mm 0.67

Exhaust cam in 24.1 mm 0.95 T =16.8 mm in 0.66 U= mm in 33.5 1.32

STAMP



IMPORTANT: Questions I through 9 must be answered in two measuring systems, one of which must be the metric system.
See conversion table at index.

CAPACITIES & DIMENSIONS

(**) l. Wheelbase 2741 $_{
m nm}$ 108 $_{
m in}$

(**) 2. Front track 1458 mm 57.4 in +

(**) 3. Rear track 1412 mm 55.6 in +

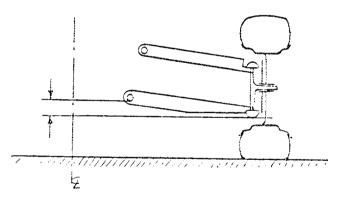
+ Differences in track resulting from use of optional wheel and rim sizes must be stipulated on recognition application forms.

Dimensional relationship between track (front and/or rear) and ground clearance resulting from use of optional wheel sizes shall also be stipulated and a sketch illustrating suspension reference points shall be shown below to establish the "reference chassis height." The reference chassis height dimension is to be used only when checking track and shall not affect eligibility of car in any manner.

Sketch, Ground Clearance: Dimensional Suspension & Chassis Reference Points"

Rear Track is unaffected by changes in car height

Front Track Car Height: 2.125 in



- 4. Overall length of car 489 cm 192.8 in
- 5. Overall width of car 182 cm 71.6 in
- 6. Overall height of car 136 cm 53.4 in
- 7. Capacity of fuel tank (reserve included) 68 ltrs.
 18 gallons US gallons, Imp.
- 8. Seating capacity 4
- (**) 9. Weight total weight of car with normal equipment, water, oil and spare wheel but without fuel or repair tools.

 1305 kg 2877 lbs

130) kg 2011 11



WHEELS

- Stamped Steel Disc 50. Type
- Weight (per wheel, without tire) 7.9kg 51.
- Method of attachment Five Studs and Nuts 52,
- 53. Rim, diameter 356 in mm 14
- 54. Rim, width 140 mm 5.5 in

SUSPENSION

- (**) 70. Suspension, front (photo D) - type Independent
- (**) 71. Spring - type Torsion Bar
- (*) 72. Stabilizer - if fitted Link type



	73.	Shock absorbers - number	Two					
	74.	Type	Telescopio	2				
(* *)	78.	Suspension, rear (photo E)	- type	Live	Axle			
(* *)	79.	Spring - type			nated Le	a.f		
(*)	80.	Stabilizer - if fitted		None	•			
	81.	Shock absorbers - number		Two				
	82.	Type		Tele	scopic			
	BRAKI	ES (Photos E and F)		Harda	aulic			
(**)	90.	Method of operation		11,5 0.1	auric			
(,)	91.	Power assisted (if fitted)	- type	Inte	gral			,
Mag.	92,	Master Cylinders - number a (indicate if duplex master	nd type cylinder	One)	- Tandem Front		Rear	
	93.	Cylinders - number per whee	1		4		l	
	94.	Cylinders - wheel bore (indicate stepped bore dime		7 f ap	mm 1.64 plicab	in 23.7 Le)	mm •933	in
	Drum	Brakes					•	
	95.	Diameter, inside			Front mm	in 254	Rear mm 10	in
	96.	Linings, length Primary plus	Secondary		mm	in 496	mm 19.53	3 in
	97,	Linings, width			mm	in 44.5	mm 1.75	
	98.	Shoes - number per brake					2	
	99.	Area, total - per brake			mm2	in2	mm2 ^{34,18}	in2
	Disc	Brakes				, -,	5	
3	L00.	Diameter, outside	274.	1	mm10.79	in	mm	in
	101.	Thickness of disc			mm 0.81	in	mm	in
	102.	Lining - length	122.	4	mm 4.82	in	mm	in
]	L03.	Lining - width	46.	7	mm 1.84	in	mm	in
		Pads - number per brake				Two		
2	105.	Area, total - per brake	11,445		$mm2_{17.7}$	in2.	mm2	in2



ENGINE (Photos J and K)

- (**) 130. Cycle 'two four Wankel
- (**) 131. Cylinders number --- Eight
- (**) 132. Cylinders arrangement Vee Wankel # of elements and basic dimensions
- (**) 133. Bore 108.0 mm 4.25 in
- (**) 134. Stroke 85.9 mm 3.38 in
- (**) 135. Cylinders capacity 785.8 cm3 47.95 in3
- (**) 136. Cylinders, total capacity6286.1 cm3 383.6 in3
- **) 137. Cylinder Block material/s Cast Iron
- () 138. Sleeves material/s (if fitted) None
- (**) 139. Head, cylinder material/s Cast Iron number fitted Two
- (**) 140. Port, inlet number Four/Head
- (**) 141. Port, exhaust number Four/Head
- (.*) 142. Compression ratio Nominal 10.0:1
- Max. 79.5 Max. 4.85

 (*) 143. Combustion chamber volume cm3 in3

 Min. 73.5 Min. 4.49
- (*) 144. Piston material/s Aluminum
- (*) 145. Rings number Three
- (*) 146. Distance from gudgeon pin centre line to highest point of piston crown 47.549 mm 1.872 in 47.676
-) 147. Crankshaft cast-forged-mach from solid
- (**) 148. Crankshaft type integral sectioned # of sections
- (**) 149. Crankshaft, main bearings number Five
- (**) 150. Bearing cap material/s Cast Iron
 - 151. Lubrication system dry sump/oil in sump
 - 152. Lubricant capacity 4.73 ltrs 10 pts 5 qts US
- (*) 153. Cooler, oil yes no
 - 154. Cooling method Water
 - 155. presoling capacity of system 16.08ltrs 34 pts 17 qts US

MAKE	Plymouth	MODEL_	Barracuda	FIA REC #	5159
(*) 156	. Fan, cooling (if fitte	d) - dia	meter 45.7	cm 18	in
(*) 157.	. Fan, cooling - number	of blade	s Four ma	terial/s	Steel
	RINGS				4
(**) 158,		Babbitt e on	diameter 66.		
(**) 159.	. Connecting rod, big en	q - thbe	Babbitt on diamete Steel	er 60.3mm2.	375 in
	GHTS				•
(*) 160.	. Flywheel (clean) 14	.33 kg	31.6 lbs		
(°) 161.	. Flywheel with clutch (all rota	ting parts) 2	24.09 kg 53.	l lbs
(*) 162	. Crankshaft 30.53 kg	67.3	.bs		
163	. Connecting Rod 0.81	kg 1	.79 lbs		
(*) 164	. Piston with rings & pi	n 1.08	kg 2.37 lb	s	
FOU	R CYCLE ENGINES				
(**) 170	. Camshafts - number One	e n	aterial/s Ha	rdenable Cast	Iron
(**) 171	. Camshaft - location I	n Cylinder	Block		
	. Camshaft Drive, type C				•
(**) 173	. Valve operation - type	Push Ro	ρđ		•
INL	ET (See Photo P) (for supe		afo re 2 stro ed, see page:		and
180	. Inlet manifold - mater	ials /	Aluminum		
181	. Valves (overall) - dia	meter	52.8 mm	2.08 in	
(*) 182	. Valve lift - maximum		10.8 mm	0.425 in	
183	. Springs, valve - numbe	r	One/Valve		
184	. Spring - type		Coil		
(**) 185	. Valves, per cylinder -	number	Two		
(*) 186	. Tappet - clearance for	checkir	ng timing (co	old) ^{Hydrau} li	n ^c in
	. Valves - open at (with	. toleran			
(*) 188	3, Valves - close at (wit cle		ance for tappindicated)	pet 60° ABC	

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(*) 189. Air filter - type Paper Element

EXHAUST (See Photo Q)

MAKE

- 195. Manifold, exhaust material/s Cast Iron
- 196. Valves (overall) diameter 40.64 mm 1.60 in
- 197. Valve, lift maximum 11.10 mm 0.437 in
- 198. Valve Springs/valve number One/Valve
- 199. Springs type Coil
- (**) 200. Valves number per cylinder Two
- (*) 201. Tappet clearance for checking timing (cold)

 mmHydraulic in
- (*) 202. Valves open at (with tolerance for tappet 640 BBC clearance indicated)
- (*) 203. Valves close at (with tolerance for tappet 160 ATC clearance indicated)

CARBURETION (See Photo N)

- 210. Carburetors, fitted number One
- 211. Type Downdraft
- (*) 212. Make Carter
- (*) 213. Model AFB = 4298 S
 - 214. Carburetors number of mixture passages Four
- (*) 215. Carburetor flange hole diameter of exit port
 Primary 36.51 mm 1.44 in

Secondary 39.69 1.56
216. Venturi - throat diameter+ mm in

Primary 30.16 1.19 INJECTION 33.34 1.31

- 220. Pump make None
- 221. Plungers number
- (*) 222. Pump model
 - 223. Injectors location
 - 224. Injectors total number
- (*) 225. Inlet pipe minimum diameter mm in
 - For variable throat type carburetors, indicate minimum lift of shutter mechanism such as pistons in S.U.

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ENGINE ACCESSORIES

- (*) 230. Pump, fuel mechanical and/or electrical Mechanical
 - 231. Number fitted One
 - 232. Ignition system type Coil
 - 233. Distributors number One
 - 234. Coils, ignition number One
 - 235. Spark plugs number per cylinder One
 - 236. Generator (or Alternator) number fitted One
 - 237. Drive method Belt
 - 238. Voltage, generator volts Twelve
 - 239. Battery number One
 - 240. Location Under Hood
 - 241. Voltage volts 12 amp hrs 59

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- (*) 250. Horsepower maximum engine output 280 at 4200 rpm (indicate **\$**AE or DIN)
- (*) 251. RPM maximum6000 output at that figure 240 HP
- *) 252. Torque maximum 400 at 2400 rpm
- (*) 253. Speed maximum 209 km/hour 130 miles/hour

DRIVE TRAIN

Clutch

- 260. Type Dry Plate
- 261. Plates number of driven One
- 262. Plates diameter 26.65 cm 10.5 in
- 263. Linings diameter inside16.50 cm 6.5 in
 Linings diameter outside 26.65 cm 10.5 in
- 264. Method of operation Foot Operated Mechanical Linkage
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Gear Box (Photo H)

- (**) 270. Manual type make Synchromesh Chrysler
- (**) 271. Ratios, forward number Four
 - 272. Ratios, forward number synchronized Four
 - 273. Gear-Shift location Floor optional - -
- (**) 274. Automatic make Chrysler type Planetary Gear Train
 W/ Torque Converter
- (**) 275. Ratios, forward number Three
 - 276. Gear-Shift location Floor

0.51.51	Ma	nual	Autom	atic	Alter	native m	anual/a	automatic
277.	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	f# Teeth
1	2.66	$\frac{24}{31} \times \frac{17}{35}$	2.45	Annulus 62	2.65	$\frac{21}{27} \times \frac{16}{33}$		
2	1.91	24 x 23 31 x 34	1.45	Sun 28	1.64	21 × 21 27 × 28		
3	1.39	$\frac{24}{31} \times \frac{27}{29}$	1.00	Planet 17	1.19	21 x 26 27 × 24		Account of Common and
4	1.00	24 13 29			1.00	D) CD D4		
5	in .	Parameter and the second secon	The state of the s					
6	***							
reverse	2.58	24 <u>x17</u> x22 31 22 34	2,20		2.57	21 <u>17</u> 22 27 22 34		

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

FINAL DRIVE

- (**) 290. Type Hotchkiss
- (**) 291. Differential type Semi-Floating
- (**) 292. Limited Slip Differential (if fitted) type / Friction
 - 293. Ratio 3.23 3.55 3.91

Teeth - number 13/42 11/39 11/43

Specify friction or positive locking type STAMP

IMPORTANT

The conformity of the car with the following items of the present recognition form is to be disregarded during the technical inspection when the vehicle has been entered in Group II (Touring Cars) or III (Grand Touring Cars):
41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, 255, photos I, M, N & items on page 5 as indicated.

During the technical inspection of cars entered in Group IV (Sports Cars) only the following items of the present recognition form are to be taken into consideration:

1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 & photos A, B, D, E, F, G, H, J, K, O.

Optional equipment affecting preceding information:

CATALOGUE PART NUMBER MUST BE GIVEN



Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN

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