FEDERATION INTERNATIONALE DE L'AUTOMOBILE

SHELBY AMERICAN - COBRA ROADSTER	1/66	220
MARQUE ET MODELE	VALIDITE HOMOLOGATION	FICHE NR.

	4 SPORT / + 2000
	GROUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle

Vérifiée le 26/10/95 par _____ visée ce jour le _____ par _____

PAG. 11

F.I.A. Recognition No. 220

Group 4 Sport

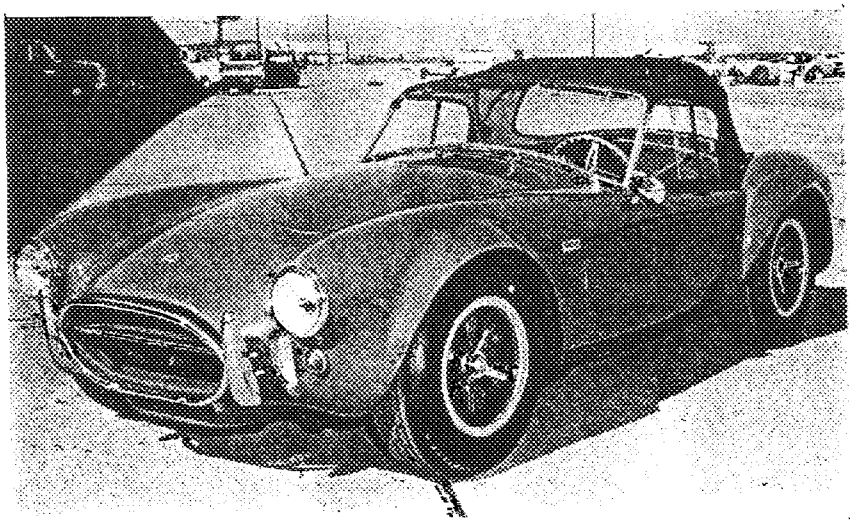
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer: Shelby American, Inc.
Serial No. of chassis: CSX 3001
engine: S2CR 6700-A
Recognition is valid from.....

Cylinder-capacity 7010 cm³ 427 in³
Model: Cobra Roadster
Manufacturer: Shelby American
Manufacturer: Ford
List.....

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



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

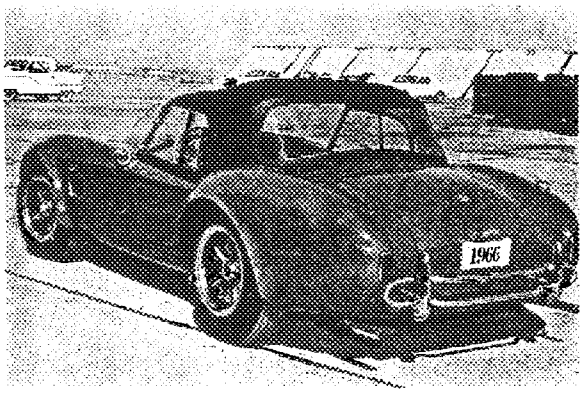
Variants			Normal evolution of the type			
on.....19..	rec.No.....	List.....	on.....19..	rec. No. ...	List
on.....19..	rec.No.....	List.....	on.....19..	rec. No. ...	List
on.....19..	rec.No.....	List.....	on.....19..	rec. No. ...	List
on.....19..	rec.No.....	List.....	on.....19..	rec. No. ...	List
on.....19..	rec.No.....	List.....	on.....19..	rec. No. ...	List

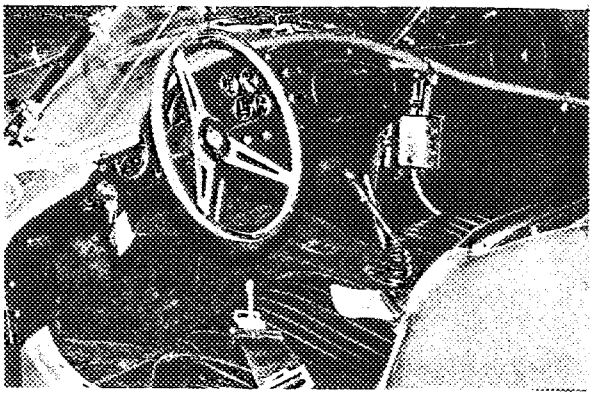
Stamp and signature of the National Sporting Authority

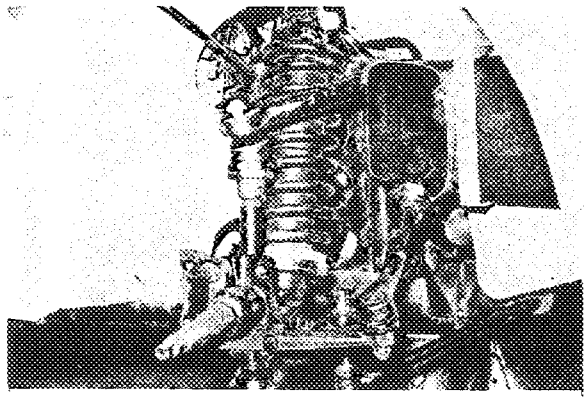
G. W. FLEMING
EXECUTIVE DIRECTOR
ACCUS. FIA
[illegible] EAST [illegible] STREET NEW YORK, N.Y. 10018

DEC - 3 1965

Stamp and signature of the F.I.A.



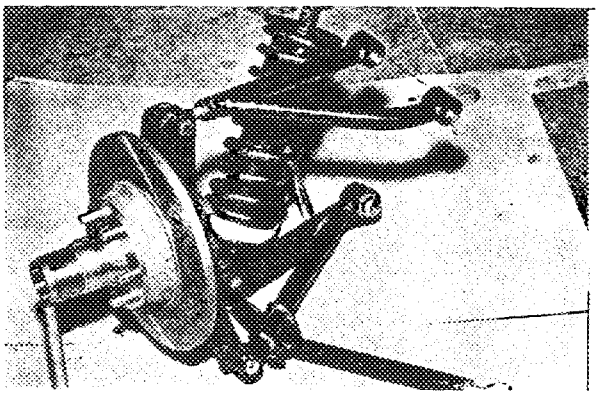




Photograph F

front brake, drum removed

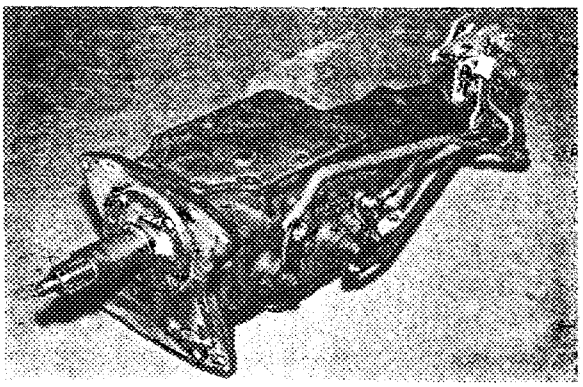
Not
Applicable



Photograph G

rear brake, drum removed

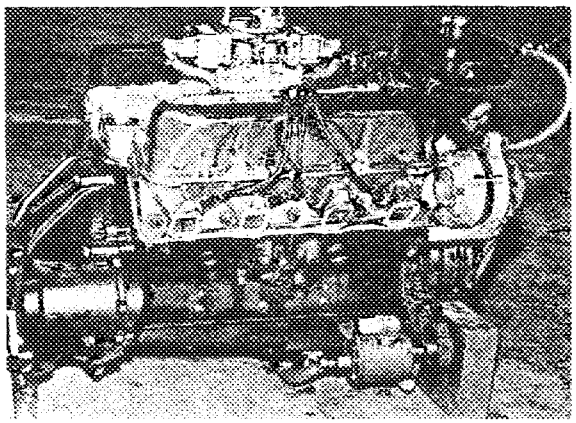
Not
Applicable



Photograph I

silencer + exhaust pipes after exhaust manifold

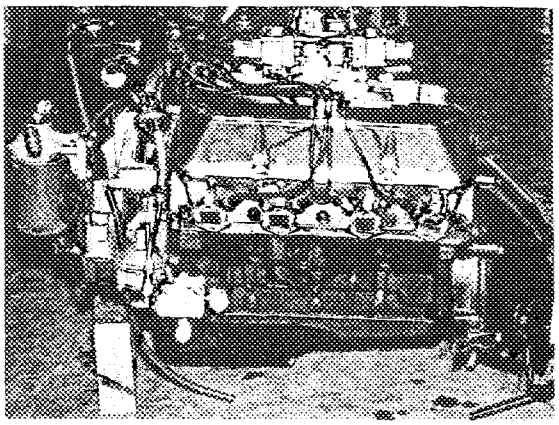
Not/Required



Photograph L

combustion chamber

Not
Required



Photograph M

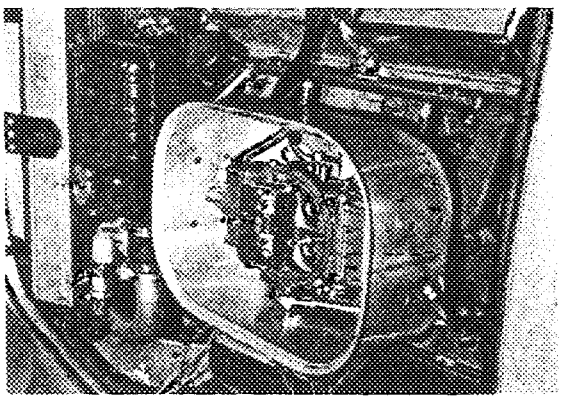
piston crown

Not
Required

Photograph N

Carburettor (view from side of manifold)

Not
Required



Photograph Q

exhaust manifold

Not
Required

Photograph P

inlet manifold

Not
Required

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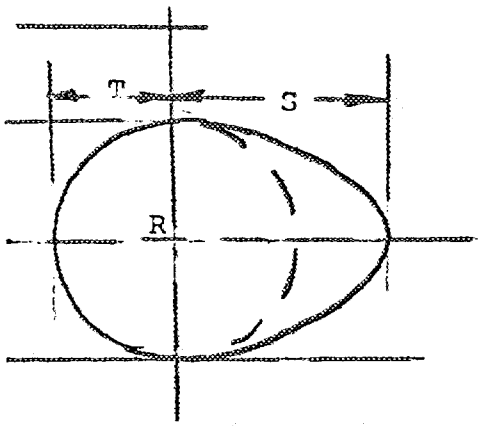


R= centre of camshaft.

Inlet cam		
S =	mm	inches
T =	mm	inches
U =	mm	inches
Exhaust cam		
S =	mm	inches
T =	mm	inches
U =	mm	inches

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

PACITIES AND DIMENSIONS

Wheelbase	2286.0	mm	90.0	inches
Front track	1380.0	mm	54.33	inches*
Rear track	1430.0	mm	56.3	inches*
Overall length of the car		cm		inches
Overall width of the car		cm		inches
Overall height of the car		cm		inches
Capacity of fuel tank (reserve included)				litres
		Gallon US		Gallon Imp.

Seating capacity

Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:

975	kg	2,149.5	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.

NVERSION TABLE

inch/pouce	-	2.54	cm	1 quart US	-	0.9464	ltrs
foot/pied	-	30.4794	cm	1 pint (pt)	-	0.568	ltrs
square inch/pouce carre	-	6.452	cm2	1 gallon Imp.	-	4.546	ltrs
cubic inch/pouce cube	-	16.387	cm3	1 gallon US	-	3.785	ltrs
pound/livre (lb)	-	453.593	gr.	1 hundred weight(cwt)	-	50.802	kg

ake Model F.I.A.Rec.No.

HASSIS AND COACHWORK (Photographs A, B and C)

0. Chassis/body construction : separate / unitary construction
1. Unitary construction, material(s) Not applicable
   Separate construction
2. Material(s) of chassis Steel
3. Material(s) of coachwork Aluminum
4. Number of doors 2 Material(s) Steel frame with aluminum panel
5. Material(s) of bonnet Steel frame with aluminum panel
6. Material(s) of boot lid
7. Material(s) of rear-window
8. Material(s) of windscreen
9. Material(s) of front-door windows
0. Material(s) of rear-door windows
1. Sliding system of door windows
2. Material(s) of rear-quarter light

CCESSORIES AND UPHOLSTERY

8. Interior heating: yes - no
9. Air-conditioning: yes - no
0. Ventilation: yes - no
1. Front seats, type of upholstery
2. Weight of front seat(s), complete with supports and rails, out of the car:
   kg lbs
3. Rear seats, type of upholstery
4. Front, bumper, material(s) weight kg lbs
5. Rear bumber, material(s) weight kg lbs

HEELS

0. Type
1. Weight (per wheel, without tyre) kg lbs
2. Method of attachment
3. Rim diameter mm inches
4. Rim width mm inches

TEERING

0. Type
1. Servo-assistance: yes - no
2. Number of turns of steering wheel from lock to lock
3. In case of servo assistance

USPENSION

0. Front suspension (photograph D), type Independent
1. Type of spring Coil
2. Stabiliser (if fitted)
3. Number of shockabsorbers
4. Type
8. Rear suspension (photograph E), type Independent
9. Type of spring Coil
0. Stabiliser (if fitted)
1. Number of shockabsorbers
2. Type

RAKES (Photographs F and G)

). Method of operation Hydraulic
.. Servo-assistance (if fitted), type
!. Number of hydraulic master cylinders

	FRONT		REAR	
3. Number of cylinders per wheel				
4. Bore of wheel cylinder(s)	mm	in.	mm	in.
Drum brakes				
5. Inside diameter	mm	in.	mm	in.
6. Length of brake linings	mm	in.	mm	in.
7. Width of brake linings	mm	in.	mm	in.
8. Number of shoes per brake				
9. Total area per brake	mm2	sq.in.	mm2	sq.in
Disc brakes				
0. Outside diameter	mm	in.	mm	in.
. Thickness of disc	mm	in.	mm	in.
.. Length of brake linings	mm	in.	mm	in.
3. Width of brake linings	mm	in.	mm.	in.
4. Number of pads per brake				
5. Total area per brake	mm2	sq.in.	mm2	sq.in

GINE (Photograph J and K)

). Cycle Four (4)
.. Number of cylinders Eight (8)
!. Cylinder arrangement "Vee"
3. Bore 107.69 mm 4.235 in.
4. Stroke 96.21 mm 3.784 in.
5. Capacity per cylinder cm3 53.37 cu.in.
6. Total cylinder-capacity cm3 427.98 cu.in.
7. Material(s) of cylinder block Cast iron
8. Material(s) of sleeves (if fitted) None Fitter
9. Cylinder-head, material(s) Aluminum Number fitted 2
0. Number of inlet ports 8 (Total)
. Number of exhaust ports 8 (Total)
2. Compression ratio
3. Volume of one combustion chamber cm3 cu.in.
4. Piston, material
5. Number of rings
6. Distance from gudgeon pin centre line to highest point of piston crown
mm inches
7. Crankshaft: moulded/stamped
8. Type of crankshaft: integral/.....
9. Number of crankshaft main bearings Five (5)
0. Material of bearing cap Cast iron (Mains)
1. System of lubrication: dry sump / oil in sump
2. Capacity, lubricant lts pts quarts US
3. Oil cooler: yes - no
4. Method of engine cooling
5. Capacity of cooling system ltrs pints quarts US
6. Cooling fan (if fitted) dia. cm inches
7. Number of blades of cooling fan

Make Model F.I.A.Rec.No.

Boarings

158. Crankshaft main, type Copper Lead Dia. 69.85 mm in.
159. Connecting rod big end, type Copper Lead Dia. 61.95 mm in.

Weights

160. Flywheel (clean) kg lbs
161. Flywheel with clutch (all turning parts) kg lbs
162. Crankshaft kg lbs.
163. Connecting rod kg lbs.
164. Piston with rings and pin kg lbs

FOUR STROKE ENGINES

170. Number of camshafts One (1)
171. Location In Block
172. Type of camshaft drive Chain
173. Type of valve operation Push Rod

INLET (see page 4)*

180. Material(s) of inlet manifold
181. Diameter of valves mm inches
182. Max. valve lift mm inches
183. Number of valve springs
184. Type of spring
185. Number of valves per cylinder 8 (inlet)
186. Tappet clearance for checking timing (cold) mm inches
187. Valves open at (with tolerance for tappet clearance indicated)
188. Valves close at (with tolerance for tappet clearance indicated)
189. Air filter, type

EXHAUST (see page 4)

195. Material(s) of exhaust manifold
196. Diameter of valves mm inches
197. Max. valve lift mm inches
198. Number of valve springs
199. Type of spring
200. Number of valves per cylinder 8 (Exhaust)
201. Tappet clearance for checking timing (cold) mm inches
202. Valves open at (with tolerance for tappet clearance indicated)
203. Valves close at (with tolerance for tappet clearance indicated)

CARBURETION (Photograph N)

210. Number of carburettors fitted
211. Type
212. Make
213. Model
214. Number of mixture passages per carburettor
215. Flange hole diameter of exit port(s) of carburettor mm in
216. Minimum diameter of venturi/minimum diam. with piston at maximum height mm in.

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

Make Model F.I.A.Rec.No.

INJECTION (if fitted)

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 in.

ENGINE ACCESSORIES

230. Fuel pump: mechanical and/or electric
231. No. fitted
232. Type of ignition system
233. No. of distributors
234. No. of ignition coils
235. No. of spark plugs per cylinder
236. Generator, number fitted
237. Method of drive
238. Voltage of generator volts
239. Battery, number
240. Location
241. Voltage of battery volts

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

250. Max. engine output (type of horsepower:)at rpm
251. Maximum rpm output at that figure
252. Maximum torque at rpm
253. Maximum speed of the car km/hour miles/hour

DRIVE TRAIN

CLUTCH

260. Type of clutch
261. No. of plates
262. Dia. of clutch plates cm in.
263. Dia. of linings, inside cm in.
outside cm in.
264. Method of operating clutch

GEAR BOX (photograph H)

270. Manual type, make 4-Speed Manual -- Ford
271. No. of gear-box ratios forward Four (4)
272. Synchronized forward ratios Four (4)
273. Location of gear-shift Floor
274. Automatic, make None fitted type N/A
275. No. of forward ratios
276. Location of gear-shift

Make Model F.I.A.Rec.No.

277.	Manual Ratio	Manual No teeth	Automatic Ratio	Automatic No teeth	Alternative manual/automatic Ratio	Alternative manual/automatic No teeth	Ratio	No teeth
1	2.22:1	$\frac{23}{25} \times \frac{16}{31}$	2.32:1	$\frac{23}{25} \times \frac{15}{32}$	2.32:1	$\frac{23}{25} \times \frac{15}{32}$		
2	1.43:1	$\frac{23}{25} \quad \frac{20}{26}$	1.54:1	$\frac{23}{25} \quad \frac{19}{27}$	1.69:1	$\frac{23}{25} \quad \frac{18}{28}$		
3	1.19:1	$\frac{23}{25} \times \frac{22}{24}$	1.19:1	$\frac{23}{25} \times \frac{22}{24}$	1.29:1	$\frac{23}{25} \times \frac{21}{25}$		
4	1.00:1	Direct	1.00:1	Direct	1.00:1	Direct		
5								
6								
reverse								

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

FINAL DRIVE

290. Type of final drive Hypoid Gear
291. Type of differential Limited Slip
292. Type of limited slip differential (if fitted)
293. Final drive ratio
Number of teeth

IMPORTANT - 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, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 215, 216, 222, 225, 230, 250, 251, 252, 253 and photographs I, M and N

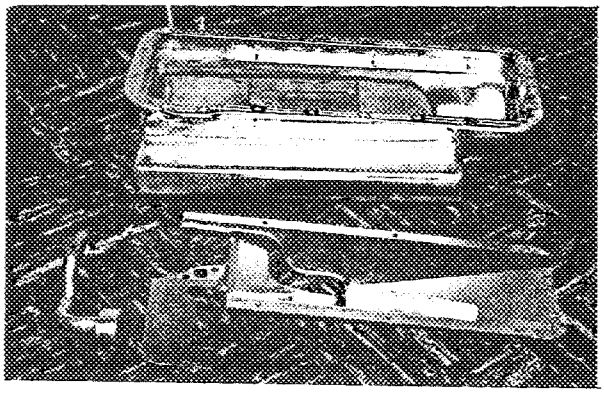
During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photographs A, B D, E, F, G, H, J, K and O

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

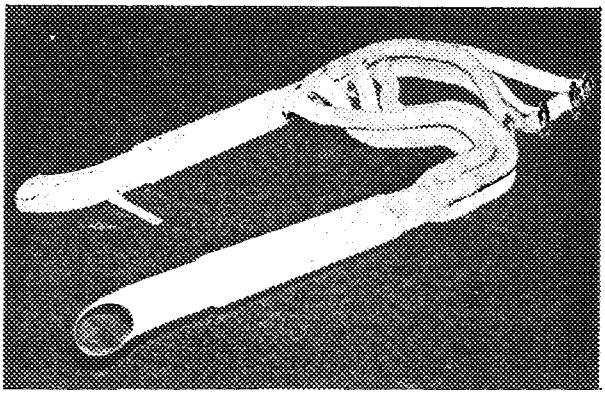
Optional equipment affecting preceeding information:-

Aluminum radiator core.
Touring type rear wheels, 7.50 x 15 in. Nominal track 145 in.
Touring type fuel tank, 68 litres capacity.

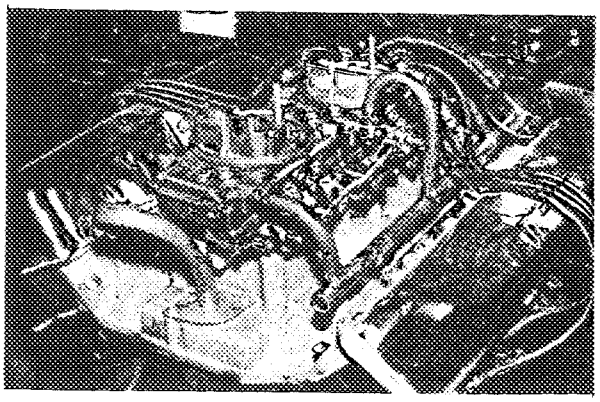
Touring type oil pan 9.4 litre capacity.



Competition type exhaust system.



2 x 4 Bbl. Manifold and carburetor kit.



Alternative battery mounting and case.