F.I.A.	Recognition	No. 237			
Group		4			



ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.I

Form of recognition in accordance with appendix J to the International Sporting Code of the FEDERATION INTERNATIONALE DE L'AUTOMOBILE

	Cylinder-capacity	1798 cm. ³ in. ³
Manufacturer TVR Engineering Limited	Model	Mk IV 1800S
Serial No. of chassis/body18/001-050 inc.	Manufacturer	TVR Engineering Limited
Serial No. of engine	Manufacturer	British Motor Corporation
Serial No. of engine	List 16/4	
The manufacturing of the model described in this recogn	nition form started	on 2nd February 19.66
and the minimum production of Fifty (50) ic	lentical cars, in acco	ordance with the specifications of
this form was reached on 6th October, 1966		

Photograph A, 3 view of car from front



F.I.A. Stamp

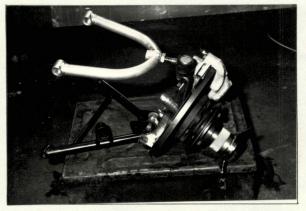
Arbert bion

R.A.C. Stamp









D

Н



E

G



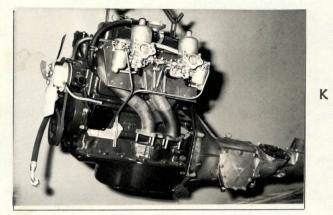


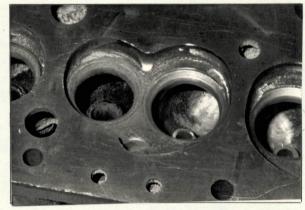




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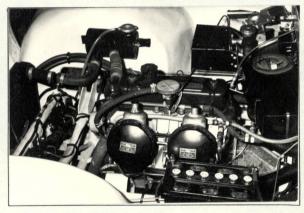






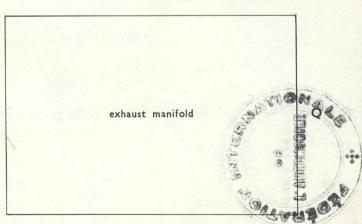






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P

N

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

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

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

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



Make TVR

Model Mk IV 1800S

F.I.A. Rec. No. 237

NOTE 1.

All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

1. Wheelbase

2171.7 mm. 85분 inches

2. Front track

3. Rear track

1333.5

52늘

inches

1359

mm.

53늘

inches

mm.

See Note 2

See Note 2

4. Overall length of the car	350.6	cm.	138	inches
5. Overall width of the car *	162.56	cm.	64	inches
6. Overall height of the car	121.92	cm.	48	inches

7. Capacity of fuel tank (reserve included)

68 Itrs.

gall. U.S.

15 gall. Imp.

8. Seating Capacity.

Two (2)

9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools:

863.7

kg.

1904

lbs.

17

cwts.

NOTE 2.

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 recognisable 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.

NOTE 3.

CONVERSION TABLE

CONTIDUE TO THE			
1 inch/pouce	_ 2.54	cm.	1 quart US
1 foot/pied	— 30.4794	4 cm.	1 pint (pt)
1 sq. inch/pouce carre	— 6.452	cm. ²	1 gallon Imp.
1 cubic inch/pouce cube	— 16.387	cm.3	1 gallon US
1 pound/livre (lb)	— 453.593	gr.	I hundred weight (cwt.)

Make TVR Model Mk IV 1800S F.I.A. Rec. No. 237

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction: separate/unitary construction Separate

21. Unitary construction, material(s) N/A

22. Separate construction, Material(s) of chassis Tubular steel

23. Material(s) of coachwork Fibre glass, perspex

24. Number of doors Material(s) Two (2), Fibre glass

25. Material(s) of bonnet Fibreglass

26. Material(s) of boot lid N/A

27. Material(s) of rear-window

29. Material(s) of front-door windows

28. Material(s) of windscreen

30. Material(s) of rear-door windows

31. Sliding system of door windows

32. Material(s) of rear-quarter light

ACCESSORIES AND UPHOLSTERY

38. Interior heating: yes - no 39. Air conditioning: yes - no

40. Ventilation : yes — no 41. Front seats, type of seat and upholstery

42. Weight of front seat(s), complete with supports and rails, out of the car:

lbs. kg.

43. Rear seats, type of seat and upholstery

44. Front bumper, material(s) Weight kg. lbs.

45. Rear bumper, material(s) Weight kg. lbs.

WHEELS

50. Type

51. Weight (per wheel, without tyre) kg. lbs.

52. Method of attachment

53. Rim diameter 54. Rim width mm. ins. mm.

STEERING

60. Type

61. Servo-assistance: yes - no

62. Number of turns of steering wheel from lock to lock

63. In case of servo-assistance

SUSPENSION

70. Front suspension (photograph D), type INDEPENDENT BY WISHBONES

71. Type of spring COIL

YES 72. Stabiliser (if fitted)

73. Number of shock absorbers Two 74. Type TELESCOPIC

78. Rear suspension (photograph E), type INDEPENDENT BY WISHBONE

79. Type of spring COIL

80. Stabiliser (if fitted) NO

81. Number of shock absorbers Four 82. Type TELESCOPIC

BRAKES (photographs F and G)

HYDRAULIC 90. Method of operation

91. Servo-assistance (if fitted), type

93. Number of cylinders per wheel

92. Number of hydraulic master cylinders

,,,	realised of chinacis ber missi				
94.	Bore of wheel cylinder(s)	mm.	inches	mm.	inches
	Drum Brakes				
95.	Inside diameter	mm.	inches	mm.	inches
96.	Length of brake linings	mm.	inches	mm.	inches
97.	Width of brake linings	mm.	inches	mm.	inches
98.	Number of shoes per brake				

mm.2 sq. in. 99. Total area per brake

Disc Brakes

100.	Outside diameter	mm.	inches
101.	Thickness of disc	mm.	inches
102	Length of brake linings	mm.	inches

102. Length of brake linings 103. Width of brake linings mm.

104. Number of pads per brake

105. Total area per brake

mm.2

sq. in.

mm.2

mm.2

mm.

mm.

mm.

sq. in.

sq. in.

nches

inches

2.1265

1.43

in.

lbs.

ENGINE	(photographs	J and	K)
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131. Number of cylinders 130. Cycle Four stroke Four

Model

- Vertical in line 132. Cylinder Arrangement
- 133. Bore 8026 3.16 in. 134. Stroke 89 mm. 3.5 in. mm.
- 449.5 cm.3 27.45 cu. in. 449.5 135. Capacity per cylinder
- 109.8 cu. in. 1798 cm.3 136. Total cylinder capacity 17
- 137. Material(s) of cylinder block Cast Iron 138. Material(s) of sleeves (if fitted)
- Cast Iron Number fitted One (1) 139. Cylinder head, material(s)
- Three(3) 140. Number of inlet ports Three (3) 141. Number of exhaust ports
- 142. Compression ratio 8.8:1
- 41.5 43.5 cm.3 2.55 - 2.60cu. in. 143. Volume of one combustion chamber
- Four (4) 144. Piston, material Aluminium Alloy 145. Number of rings
- 146. Distance from gudgeon pin centre line to highest point of piston crown in. mm.
- 147. Crankshaft: moulded/stamped 148. Type of crankshaft: integral/.Integral
- 149. Number of crankshaft main bearings Five (5)
- 150. Material of bearing cap Steel
- 151. System of lubrication: dry sump/oil in sump Oil in sump
- 152. Capacity, lubricant 3.9 Itrs. 6.8 pts. quarts U.S.
- 153. Oil cooler: yes/no Yes 154. Method of engine cooling Water cooled
- 5.68 pts. quarts U.S. 155. Capacity of cooling system Itrs. 10
- in. 156. Cooling fan (if fitted) dia. cm.
- 157 Number of blades of cooling fan Four (4)

Bearings

54.01 158. Crankshaft main, type Thinwall m.m. 54.02 47.648 159. Connecting rod big end, type Shell Copper/Lead dia. m.m. 47.661

Weights

- 160. Flywheel (clean) 13.18 kg.
- 19.31 161. Flywheel with clutch (all turning parts) kg.
- 163. Connecting rod 386 162. Crankshaft 15.0kg. 34.8 lbs.
- 0.65 kg. 164. Piston with rings and pin

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 and rocker

INLET (see page 4)*

180. Material(s) of inlet manifold Aluminium Alloy

181. Diameter of valves 38.8 mm. 1.57 ins.

182. Max. valve lift 9.26 mm. 0.364 in. 183. Number of valve springs 2 per valve

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

186. Tappet clearance for checking timing (cold) 1.39 mm. 0.055 ins.

187. Valves open at (with tolerance for tappet clearance indicated)
 16° BTDC
 188. Valves close at (with tolerance for tappet clearance indicated)
 56° ABDC

189. Air filter, type

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold

196. Diameter of valves 34.23 mm. 1.35 ins.
197. Max. valve lift 9.26 mm. 0.364 in. 198. Number of valve springs 2 per valve

197. Max. valve lift
9.26 mm.
0.364 in.
198. Number of valve springs
2 per valve
199. Type of spring
Coil
200. Number of valves per cylinder

201. Tappet clearance for checking timing (cold) 1.39 mm. 0.055

202. Valves open at (with tolerance for tappet clearance indicated) 51° BBDC

203. Valves close at (with tolerance for tappet clearance indicated) 21° ATDC

CARBURETION (photograph N)

210. Number of carburettors fitted 211. Type

212. Make 213. Model

214. Number of mixture passages per carburettor One (1)

215. Flange hole diameter of exit port(s) of carburettor 38.1 mm. 1.50 ins.

216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)

31.37 mm. 1.235

mm.

ins.

ins.

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

* For additional information concerning two-stroke engines and super-charged engines, see page 13.

Make.....

Model Mk IV 1800S

F.I.A. Rec. No. 237

ENGINE ACCESSORIES

230. Fuel pump: mechanical and/or electrical

Electrical

231. No. fitted

One (1)

232. Type of ignition system

233. No. of distributors One (1)

234. No. of ignition coils

One (1)

235. No. of spark plugs per cylinder

One (1)

236. Generator, type: dynamo/alternator-number fitted

Dynamo Belt

One (1)

237. Method of drive

238. Voltage of generator

12 volts

239. Battery, number

240. Location

241. Voltage of battery

12

volts

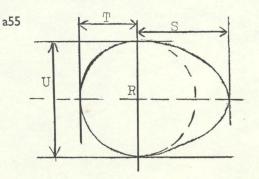
ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)

(type of horsepower: Ship) at 5400 r.p.m. 98 250. Max. engine output output at that figure 251. Max. r.p.m. 6,400

110 lbs/ft. 3000 at r.p.m. 252. Max. torque

km./hour miles/hour 253. Max. speed of the car

R = centre of camshaft



Inlet cam

U =

10

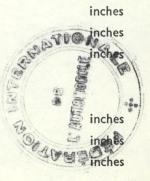
S = mm. T =mm.

mm.

Exhaust cam

S =mm. T =mm.

U= mm.



Make TVR Model Mk IV 18008 F.I.A. Rec. No. 237

DRIVE TRAIN

CLUTCH

260. Type of clutch Diaphragm 261. No. of plates One (1)

262. Dia. of clutch plates 2 20.32 cm. 8 ins.

263. Dia. of linings, inside 14.6 cm. 5.75 ins.

outside 20.3 cm. 8 ins.

264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

270. Manual type, make B.M.C. Method of operation Manual

271. No. of gear-box ratios forward Four (4) 272. Synchronized forward ratios 2, 3, 4

273. Location of gear-shift

274. Automatic, make type

275. No. of forward ratios 276. Location of gear shift

277.	Manual Ratio No. teeth	Automatic Ratio No. teeth	Alternative manual/automatic Ratio No. teeth Ratio No. teeth
1			
2			
3			
4			
5			
6			
reverse			

278. Overdrive, type Laycock

279. Forward gears on which overdrive can be selected 3 and 4

280. Overdrive ratio 0.802

FINAL DRIVE

290. Type of final drive C.W.P. 291. Type of differential

292. Type of limited slip differential (if fitted) Z/F

293. Final drive ratio 3.909:1, 4.3:1, 4.55:1Number 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, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216 222, 225, 230, 250, 251, 252, 253, 255 photographs I, M and N and page 4.

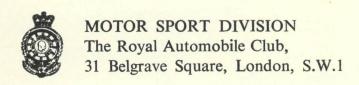
During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 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.

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

on 1-11	1967 rec. no. 23	7 List 16/	6 on	19 rec. no	List
	19 rec. no				
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

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





Manufacturer T.V.R.

Model Mark IV 1800 "S"

F.I.A. Recognition No. 237

Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

1.

Reference No.

ERRATA

9. Should read:-

787.4 kgs. 1736 lbs. 15½ cwts.

16/6

Date amendment is valid from let November 6+

Stamp of F.I.A./R.A.C.