

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



ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1

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

Manufacturer	<u>TVR Engineering Limited</u>	Cylinder-capacity	<u>1798</u> cm. ³ in. ³
Serial No. of chassis/body	<u>18/001-050 inc.</u>	Model	<u>Mk IV 1800S</u>
Serial No. of engine		Manufacturer	<u>TVR Engineering Limited</u>
Recognition is valid from	<u>1st July 1967</u>	Manufacturer	<u>British Motor Corporation</u>
		List	<u>16/4</u>

The manufacturing of the model described in this recognition form started on 2nd February 1966
and the minimum production of Fifty (50) identical cars, in accordance with the specifications of
this form was reached on 6th October, 1966.

Photograph A, ¾ view of car from front



F.I.A. Stamp

Hubert Schout

R.A.C. Stamp



TRAKE TVR.

MODEL. TRK 10 1800 "S"

F.I.A REC NO. 237

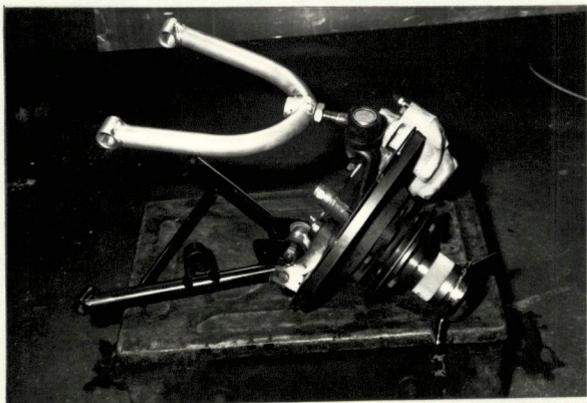
B



C



D



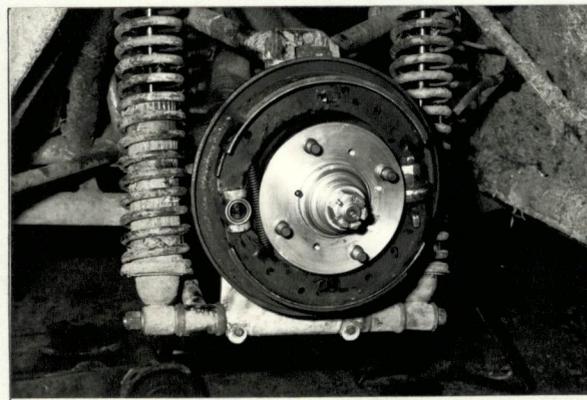
E



F

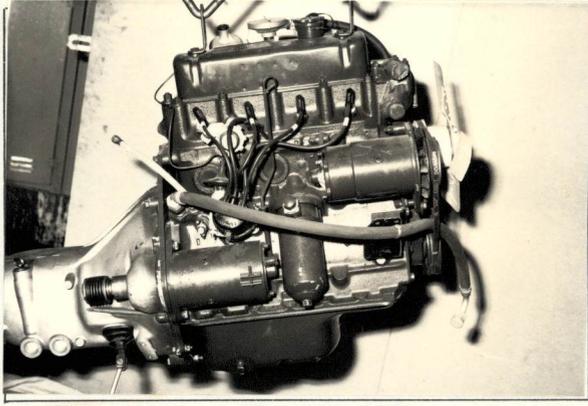


G

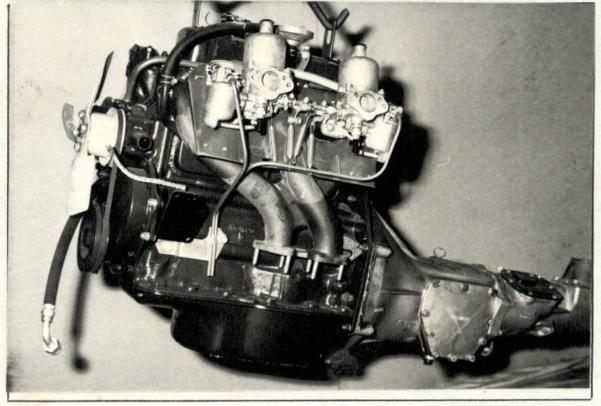


H

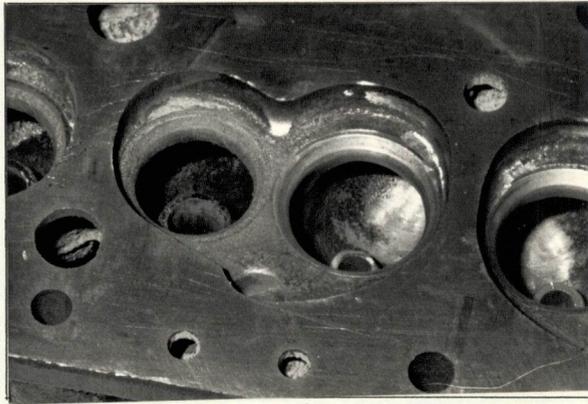




J



K



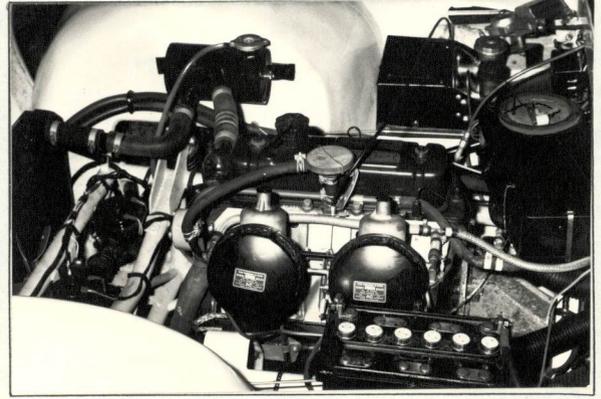
L



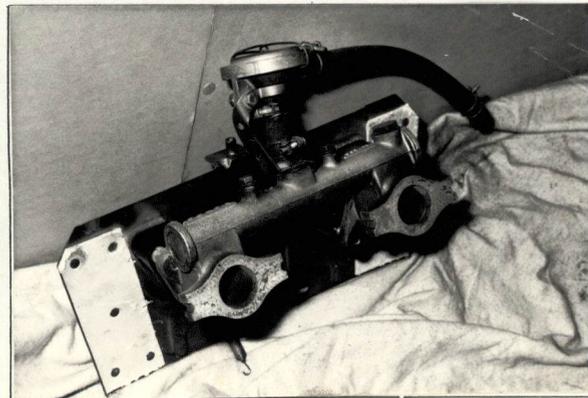
M



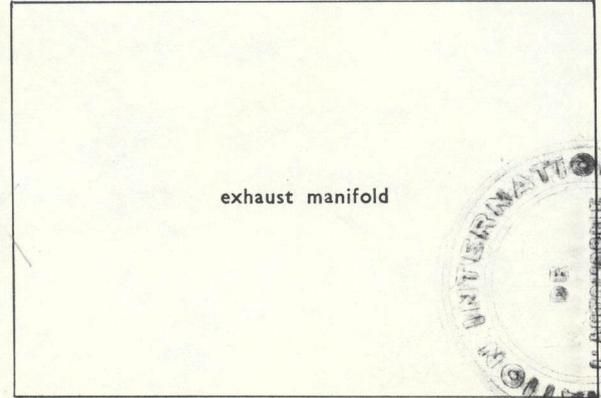
N



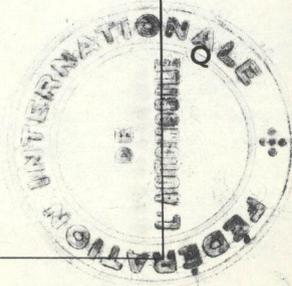
O



P



exhaust manifold



Make.....TVR.....

Model.....Mk IV 1800S.....

F.I.A. Rec. No.....237.....

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

SUSPENSION

- | | | |
|---|------|--------------------------|
| 70. Front suspension (photograph D), type | | INDEPENDENT BY WISHBONES |
| 71. Type of spring | | COIL |
| 72. Stabiliser (if fitted) | | YES |
| 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 |

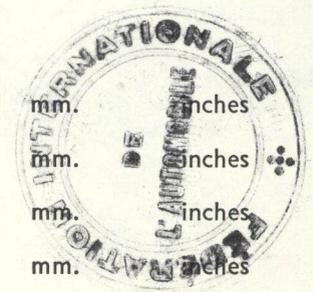
BRAKES (photographs F and G)

- | | |
|--|-----------|
| 90. Method of operation | HYDRAULIC |
| 91. Servo-assistance (if fitted), type | |
| 92. Number of hydraulic master cylinders | |

	FRONT		REAR	
93. Number of cylinders per wheel				
94. Bore of wheel cylinder(s)	mm.	inches	mm.	inches
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				
99. Total area per brake	mm. ²	sq. in.	mm. ²	sq. in.

Disc Brakes

100. Outside diameter	mm.	inches	mm.	inches
101. Thickness of disc	mm.	inches	mm.	inches
102. Length of brake linings	mm.	inches	mm.	inches
103. Width of brake linings	mm.	inches	mm.	inches
104. Number of pads per brake				
105. Total area per brake	mm. ²	sq. in.	mm. ²	sq. in.



Make TVR

Model Mk IV 1800S

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ENGINE (photographs J and K)

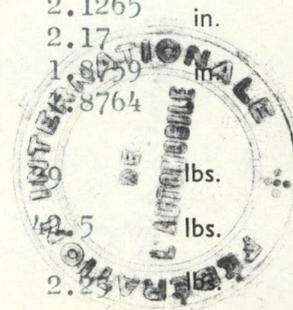
- | | | | |
|---|--------------------|--|--------------------------------------|
| 130. Cycle | Four stroke | 131. Number of cylinders | Four |
| 132. Cylinder Arrangement | Vertical in line | | |
| 133. Bore | 8026 mm. 3.16 in. | 134. Stroke | 89 mm. 3.5 in. |
| 135. Capacity per cylinder | 449.5 | | 449.5 cm. ³ 27.45 cu. in. |
| 136. Total cylinder capacity | 17 | | 1798 cm. ³ 109.8 cu. in. |
| 137. Material(s) of cylinder block | Cast Iron | 138. Material(s) of sleeves (if fitted) | N/A |
| 139. Cylinder head, material(s) | Cast Iron | Number fitted | One (1) |
| 140. Number of inlet ports | Three (3) | 141. Number of exhaust ports | Three (3) |
| 142. Compression ratio | 8.8:1 | | |
| 143. Volume of one combustion chamber | | 41.5 - 43.5 | cm. ³ 2.55 - 2.60 cu. in. |
| 144. Piston, material | Aluminium Alloy | 145. Number of rings | Four (4) |
| 146. Distance from gudgeon pin centre line to highest point of piston crown | | | mm. in. |
| 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 ltrs. 6.8 pts. | | quarts U.S. |
| 153. Oil cooler: yes/no | Yes | 154. Method of engine cooling | Water cooled |
| 155. Capacity of cooling system | 5.68 ltrs. 10 pts. | | quarts U.S. |
| 156. Cooling fan (if fitted) dia. | | | cm. 8 in. |
| 157. Number of blades of cooling fan | Four (4) | | |

Bearings

- | | | | |
|-----------------------------------|-------------------|------|------------------------|
| 158. Crankshaft main, type | Thinwall | dia. | 54.01 m.m. 2.1265 in. |
| | | | 54.02 m.m. 2.17 in. |
| 159. Connecting rod big end, type | Shell Copper/Lead | dia. | 47.648 m.m. 1.8759 in. |
| | | | 47.661 m.m. 1.8759 in. |

Weights

- | | | | | |
|---|--------------------|---------------------|-----------|-----------|
| 160. Flywheel (clean) | | | 13.18 kg. | |
| 161. Flywheel with clutch (all turning parts) | | | 19.31 kg. | |
| 162. Crankshaft | 15.0 kg. 34.8 lbs. | 163. Connecting rod | 386 kg. | 2.23 lbs. |
| 164. Piston with rings and pin | | | 0.65 kg. | 1.43 lbs. |

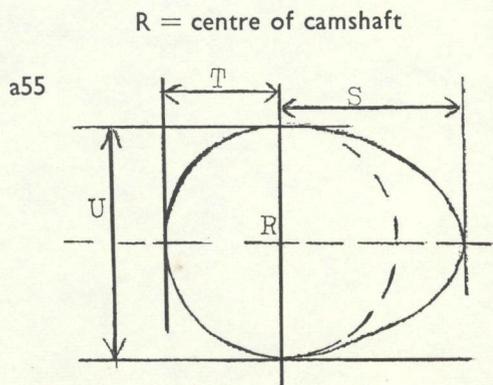


ENGINE ACCESSORIES

- | | | |
|--|----------|--|
| 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 One (1) |
| 237. Method of drive | | Belt |
| 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)

- | | | | | |
|----------------------------|-------------|--------------------------------------|------|------------|
| 250. Max. engine output | 98 | (type of horsepower: <u>bhp</u>) at | 5400 | r.p.m. |
| 251. Max. r.p.m. | 6,400 | output at that figure | | |
| 252. Max. torque | 110 lbs/ft. | at | 3000 | r.p.m. |
| 253. Max. speed of the car | | km./hour | | miles/hour |

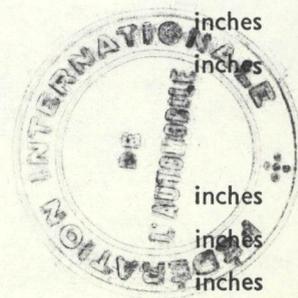


Inlet cam

- | | | |
|-----|-----|--------|
| S = | mm. | inches |
| T = | mm. | inches |
| U = | mm. | inches |

Exhaust cam

- | | | |
|-----|-----|--------|
| S = | mm. | inches |
| T = | mm. | inches |
| U = | mm. | inches |



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		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	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 Bevel gear

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

293. Final drive ratio 3.909:1, 4.3:1, 4.55:1 Number of teeth



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

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. 237 List 16/6 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.....

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





MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

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. | Reference No.

ERRATA

1.

9.

Should read:-

787.4 kgs. 1736 lbs. 15½ cwts.

Date amendment is valid from 1st NOVEMBER/67

16/6



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