F.I.A.	Recognition	No. 5094
Group		1



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 .	1596 cm. ³ 97.39 in. ³						
Manufacturer Standard Triumph Mtr. Co. Ltd.,	Model	Vitesse 1600						
Serial No. of chassis/body HB 15001 DL onwards	Manufacturer	Standard-Triumph Mtr. Co.	Ltd.					
Serial No. of engine HB 15001 HE onwards	Manufacturer	Standard-Triumph Mtr. Co.	Ltd.					
Recognition is valid from List								
The manufacturing of the model described in this recognition form started on July 1965								
and the minimum production of 5000 identical cars, in accordance with the specifications of								
this form was reached on September, 30th 19 65								

Photograph A, 3 view of car from front



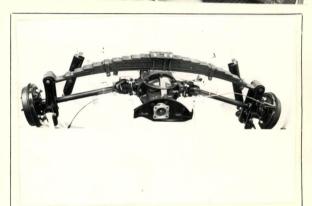
F.I.A. Stamp





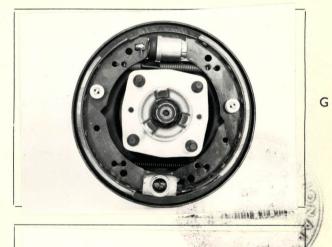


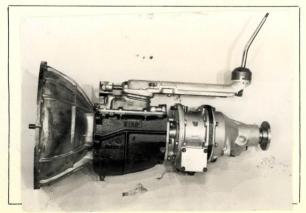


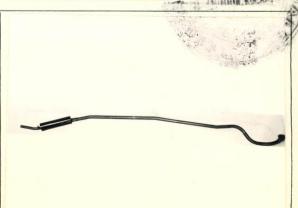


E









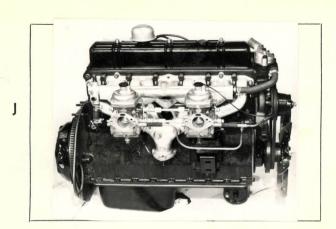
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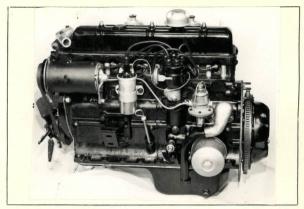
N

K

M

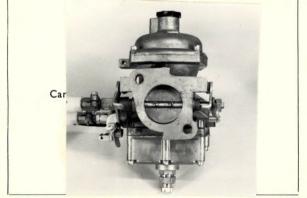
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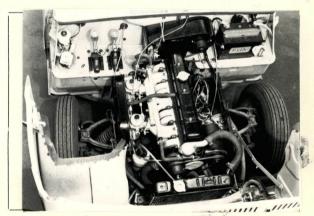














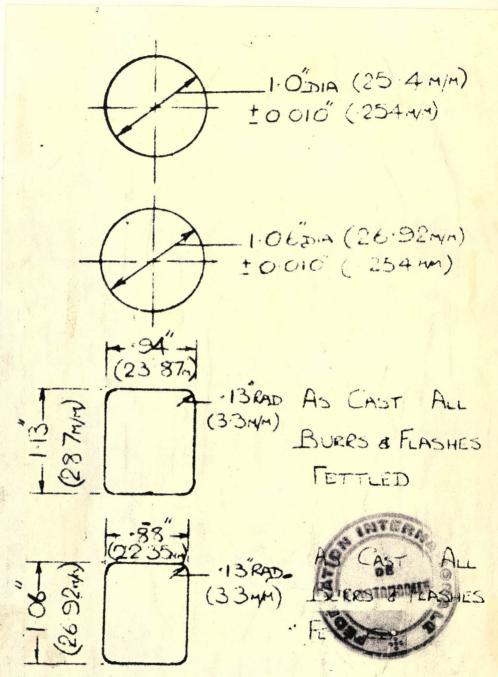


Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

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.



NOTE 1.

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

CAPACITIES AND DIMENSIONS

1. Wheelbase

2325

mm. 91.5

inches

2. Front track

3. Rear track

1 24

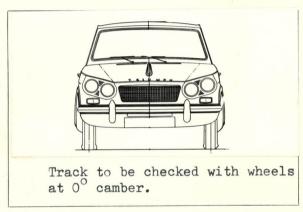
1245 mm.

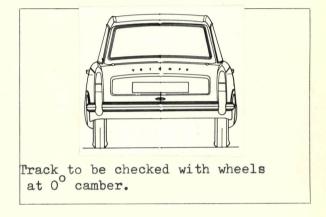
49 inches

1220

mm. 48

inches





4. Overall length of the car5. Overall width of the car

388.5 152.5 cm. 153

inches

inches

inches

6. Overall height of the car

133.5

cm. 52.5

60

7. Capacity of fuel tank (reserve included)

40

Itrs. 10.5

gall. U.S. 8.75

cm.

gall. Imp.

8. Seating Capacity.

4

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

965.2

<g. 2128

lbs.

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

1 inch/pouce	2.54	cm.	1 quart US	_	0.9464	Itrs.
1 foot/pied	— 30.4794	cm.	l pint (pt)		0.568	ltrs.
1 sq. inch/pouce carre	— 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.
l pound/livre (lb)	— 453.593	gr.	1 hundred weight (cwt.)	_	50.802	kg.

45

lbs.

NTER

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction: separate/unitary tonstruction
- 21. Unitary construction, material(s)
- 22. Separate construction, Material(s) of chassis Steel
- Steel 23. Material(s) of coachwork
- 24. Number of doors 2 Steel Material(s)
- 25. Material(s) of bonnet Steel
- Steel 26. Material(s) of boot lid
- Glass 27. Material(s) of rear-window
- Laminated glass 28. Material(s) of windscreen
- 29. Material(s) of front-door windows Glass Glass
- 31. Sliding system of door windows Remote winder
- 32. Material(s) of rear-quarter light

30. Material(s) of rear-door windows

ACCESSORIES AND UPHOLSTERY

- 38. Interior heating: yes xxx 39. Air conditioning: XXVIII no
- 41. Front seats, type of seat and upholstery Separate/Ambla 40. Ventilation : yes — 199

20.412

kg.

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

43. Rear seats, type of seat and upholstery Bench/Ambla

(2 off)

Weight 44. Front bumper, material(s) kg. lbs. 1.825 4.186

45. Rear bumper, material(s) Weight lbs. kg. 2.468 5.436

(with overriders)

WHEELS

- Steel disc 50. Type
- 51. Weight (per wheel, without tyre) 5.443 kg.
- 52. Method of attachment Four stud
- 88.9 13 53. Rim diameter 330 ins. 54. Rim width mm.

STEERING

- Rack and pinion 60. Type
- 61. Servo-assistance: XOSX-no
- 62. Number of turns of steering wheel from lock to lock 4.375
- 63. In case of servo-assistance

SUSPENSION

70. Front suspension (photograph D), type Independent doublewishbone

Coil 71. Type of spring

72. Stabiliser (if fitted) Anti-roll bar

73. Number of shock absorbers Two 74. Type Telescopic

Swing axle 78. Rear suspension (photograph E), type

79. Type of spring Transverse leaf

80. Stabiliser (if fitted)

2 Telescopic 81. Number of shock absorbers 82. Type

BRAKES (photographs F and G)

90. Method of operation Hydraulic

91. Servo-assistance (if fitted), type

92. Number of hydraulic master cylinders

93	3. Number of cylinders per wheel	2			1	REA		
94	f. Bore of wheel cylinder(s)	42.8	mml.685	inches	17.8	mm.	.70	inches
	Drum Brakes				_			
9!	5. Inside diameter		mm.	inches	203 194	mm.	8	inches
96	5. Length of brake linings		mm.	inches	194	mm.	7.65	inches
97	7. Width of brake linings		mm.	inches	31.8 12250	mm.	A175	inches
98	3. Number of shoes per brake			-		15	2	18
99). Total area per brake		mm. ²	sq. in.	12250	mm.2	190E	sq. in.

Disc Brakes

100.	Outside diameter	228.9 mm.			
101.	Thickness of disc	9.53 mm.	• 375	inches	
102.	Length of brake linings	53•9 mm2	.125	inches	
103.	Width of brake linings	38.1 mm.	1.50	inches	
104.	Number of pads per brake		2		

10 4300 mm.² 6.7 sq. in. 105. Total area per brake

mm.

mm.

inches

inches

inches

VALOCUEDANTE

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

132. Cylinder Arrangement Six in line

133. Bore 66.75 2.992 2.628 134. Stroke 76 in. mm. in.

266 16.23 135. Capacity per cylinder cm.3 cu. in.

136. Total cylinder capacity 1596 cm.3 97.39 cu. in.

137. Material(s) of cylinder block Cast iron 138. Material(s) of sleeves (if fitted)

139. Cylinder head, material(s) Number fitted 1 Cast iron

140. Number of inlet ports Six 141. Number of exhaust ports Six

8.75 : 1 142. Compression ratio

143. Volume of one combustion chamber cm.3 cu. in. 29.67 1.81

144. Piston, material Aluminium alloy 145. Number of rings Three

146. Distance from gudgeon pin centre line to highest point of piston crown mm. in. 37.8206 1.489

147. Crankshaft: moulded/stamped 148. Type of crankshaft: integral/XXXXXXXX

Four 149. Number of crankshaft main bearings

150. Material of bearing cap Cast irnn

151. System of lubrication: strycsump/oil in sump

152. Capacity, lubricant 4.5 4.8 quarts U.S. Itrs. pts.

153. Oil cooler: xxx/no 154. Method of engine cooling

155. Capacity of cooling system 4.5 Itrs. 4.8 pts. quarts U.S.

12.5 156. Cooling fan (if fitted) dia. 31.8 cm. in.

157 Number of blades of cooling fan Six

Bearings

158. Crankshaft main, type Lead indium dia. 50.8381 m.m. 2,0015 in.

m.m. 1.8765 159. Connecting rod big end, type Lead indium dia. 47.6631

Weights

160. Flywheel (clean) 7.711

161. Flywheel with clutch (all turning parts) 13.381

162. Crankshaft 20.669 kg. 45.5 163. Connecting rod⁰.681 lbs. kg. lbs.

164. Piston with rings and pin 0.363 kg. 0.798 lbs.

Mak	e Standard Triumph Model Vitesse 1600 F.I.A. Rec. No. 5094
	FOUR STROKE ENGINES
170.	Number of camshafts One 171. Location Side of cylinder block.
172.	Type of camshaft drive Chain
173.	Type of valve operation Pushrod operated overhead valve
	INLET (see page 4)*
180.	Material(s) of inlet manifold Aluminium alloy.
181.	Diameter of valves 33.15 mm. 1.305 ins.
182.	Max. valve lift 7.925 mm312 in. 183. Number of valve springs One
184.	Type of spring Helical coil 185. Number of valves per cylinder One
186.	Tappet clearance for checking timing (cold) .381 mm051 ins.
187.	Valves open at (with tolerance for tappet clearance indicated) 18° BTDC
188.	Valves close at (with tolerance for tappet clearance indicated) 58° ABDC
189.	Air filter, type Paper element
	EXHAUST (see page 4)*
195.	Material(s) of exhaust manifold Cast iron
	Diameter of valves 29.97 mm. 1.180 ins.
197.	Max. valve lift 7.925 mm312 in. 198. Number of valve springs One
199.	Type of spring Helical coil 200. Number of valves per cylinder One
	Tappet clearance for checking timing (cold) .381 mm015 ins.
202.	Valves open at (with tolerance for tappet clearance indicated) 58° BBDC
203.	Valves close at (with tolerance for tappet clearance indicated) 18° ATDC
	CARBURETION (photograph N)
210.	Number of carburettors fitted Two 211. Type Sidedraught
212.	Make Stromberg 213. Model 1.50 CD
214.	Number of mixture passages per carburettor One
215.	Flange hole diameter of exit port(s) of carburettor 38.1 mm. 1.5 ins.
216.	Minimum diameter of venturi/minimum diam., with piston at maximum height (example: SU)
	nom. height above bridge 25.4 mm. ins.
	INJECTION (if fitted) Make of pump
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. ins.
* Fo	r additional information concerning two-stroke engines and super-charged engines, see page 13.

ENGINE ACCESSORIES

- 230. Fuel pump: mechanical and orxedectrical
- 231. No. fitted One
- 232. Type of ignition system Coil
- 233. No. of distributors One

234. No. of ignition coils One

- 235. No. of spark plugs per cylinder One
- 236. Generator, type: dynamo/sternstor—number One
- 237. Method of drive Vee belt
- 238. Voltage of generator 12 nom. volts
- 239. Battery, number

One

240. Location

Under bonnet

241. Voltage of battery

12 volts

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

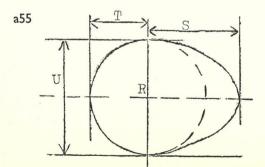
- 250. Max. engine output 70 (type of horsepower: B.H.P. NETT) at 5000 r.p.m.
- 251. Max. r.p.m. 6000 intermediateutput at that figure not quoted since not sustained
- 252. Max. torque 1110 lb. ins.

at 2800 r.p.m.

- 253. Max. speed of the car 142/145
- km./hour
- 88/90

miles/hour

 $R = centre \ of \ camshaft$



Inlet cam

S = 19.23 T = 13.7211 = 27.43

Exhaust cam

S = 19.23 T = 13.7211 - 27.43 mm. 540 inches mm. 1.080 inches

mm. 757 mches inches mm. 1.080 inches

DRIVE TRAIN

CLUTCH

260. Type of clutch Dry plate

One 261. No. of plates

262. Dia. of clutch plates

20.3

cm. 8

263. Dia. of linings, inside

14.6

5.75

outside

20.3

8 cm.

ins. ins.

ins.

264. Method of operating clutch

Hydraulic

GEAR BOX (photograph H)

270. Manual type, make

Standard-Triumph Method of operation

Remote control gear lever

271. No. of gear-box ratios forward

Four

272. Synchronized forward ratios 2nd, 3rd, and 4th

273. Location of gear-shift

Centrally mounted

274. Automatic, make

type

275. No. of forward ratios

276. Location of gear shift

277.	Ratio Man	ual No. teeth	Auto Ratio	omatic No. teeth	Ratio	Alternative man			
	- Natio	140. teetii	Natio	No. teetii	Katio	No. teeth	Ratio	No.	teeth
1	2.93;1	$\frac{26}{19} \times \frac{30}{14}$			2.65;1	$\begin{array}{ c c c c c c }\hline 26 & x & \frac{29}{15} \\ \hline 19 & x & \frac{26}{19} & x & \frac{26}{20} \\ \hline 19 & x & \frac{22}{24} \\ \hline \end{array}$	*		
2	1.78:1	$\frac{26}{19} \times \frac{26}{20}$		İ	1.78:1	$\frac{26}{19} \times \frac{26}{20}$	į		
3	1.25:1	$\frac{26}{19} \times \frac{22}{24}$			1.25:1	$\frac{26}{10} \times \frac{22}{24}$	1		
5	1.00:1			Ì	1.00:1	DIRECT	į		
6									
reverse	2.93:1	26 x 30			3.1:1	$\frac{26}{19}$ x $\frac{34}{15}$	į		

278. Overdrive, type Laycock de Normanville

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

.802 280. Overdrive ratio

FINAL DRIVE

290. Type of final drive Hypoid

291. Type of differential

292. Type of limited slip differential (if fitted)

293. Final drive ratio 4.1:1

Number of teeth

9/37

9/41

AUTOMOBILE

Make.

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 12 July 19 66	rec. no. 5094	List	on	19	rec. no	List
on19	rec. no	List	on	19	rec. no	List
on19						
on19						
on19						
On17	rec. 110	LISU	011		. 160. 110	

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

OPTIONAL EQUIPMENT

Group 1

Gearbox - detail no. 306474 Non-overdrive condition. Ratios

as previously specified.

Group 2

Solex carbs. Engine nos. HBl HE to HB 15000 HE

carried Solex carburettors and header

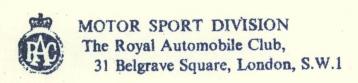
tanks to radiator.

Road wheels Steel disc 13" dia. x 45 (338 - detail no. 307405

x 114.3 mm) Weight 12 1b

No track change.

Sump skid shield kit - detail no. 306133



Manufacturer Standard Triumph

Model Vitesse 1600

F.I.A. Recognition No. 5094

Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No.

OPTIONAL EQUIPMENT

GROUP 1
GROUP 2

Gearbox - detail no. 306474 Non overdrive condition. Ratios

Solex carbs.

Non overdrive condition. Ratios as previously specified.
Engine nos. HB 1 HE to HB 15000 HE carried Solex Carburettors and header tanks to radiator.

Road wheels - detail no. 307405 Steel disc 13" ia. x $4\frac{1}{2}$ " (338.2mm

x 114.3mm) Weight 12 lbs. (5.5kg) Nortrack change.

Sump skid shield kit - detail no.306133





4.

1.

2.

3.

