

Attention:  
The manufacturer of this car  
may apply for the reclassifica-  
tion of this model in group  
1 or 2 in the course of 1967.



F.I.A. Recognition No. 554  
Group 3

## 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

Cylinder-capacity 1998 cm.<sup>3</sup> 122 in.<sup>3</sup>  
Manufacturer Standard-Triumph Motor Co. Ltd. Model 2 litre Vitesse  
Serial No. of chassis/body HC 1 onwards Manufacturer Standard-Triumph Motor Co. Ltd.  
Serial No. of engine HC 1 HE onwards Manufacturer Standard-Triumph Motor Co. Ltd.  
Recognition is valid from 1st Jan 1967 List 15/2  
The manufacturing of the model described in this recognition form started on 4th July, 1966  
and the minimum production of 500 identical cars, in accordance with the specifications of  
this form was reached on 30th September 1966

Photograph A,  $\frac{3}{4}$  view of car from front



F.I.A. Stamp



R.A.C. Stamp

Triumph

2 litre Vitesse

Make.....

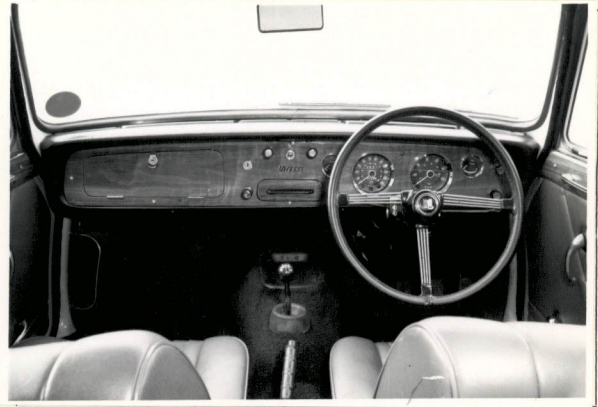
Model.....

F.I.A. Rec. No. 5574

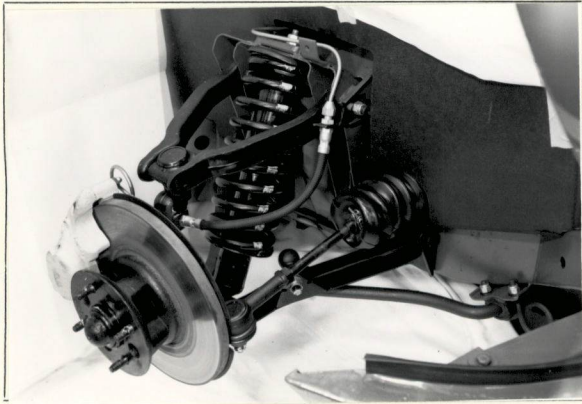
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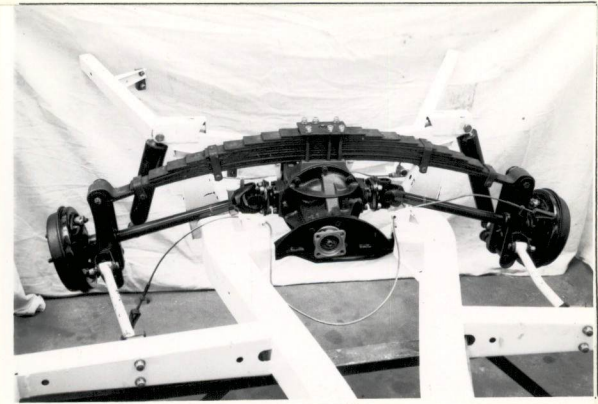
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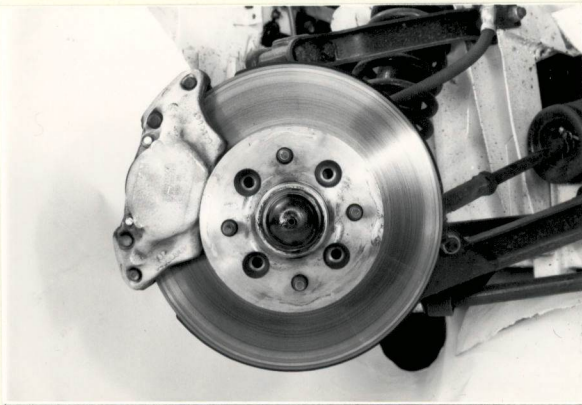
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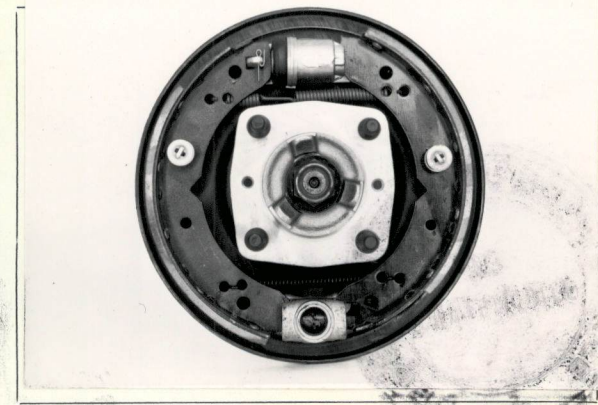
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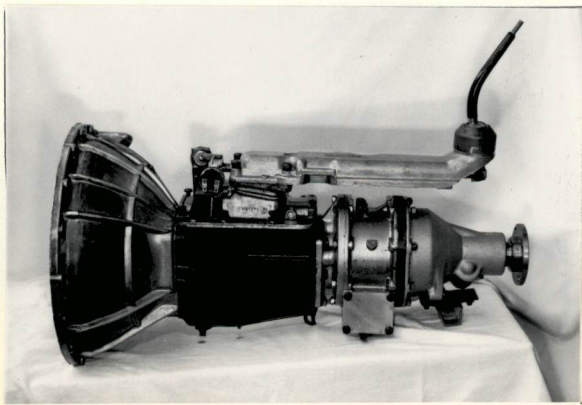
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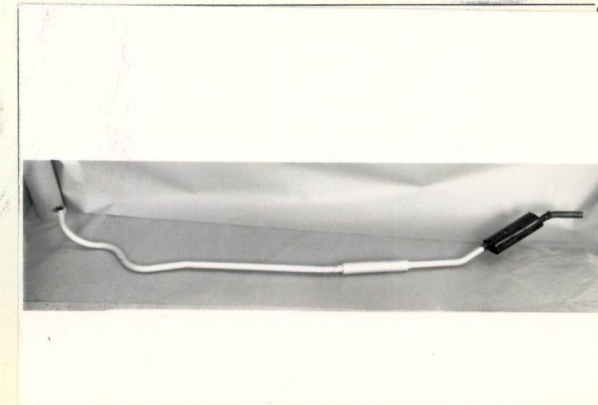
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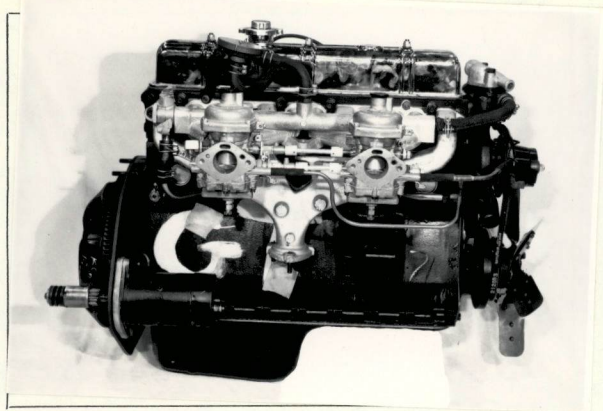
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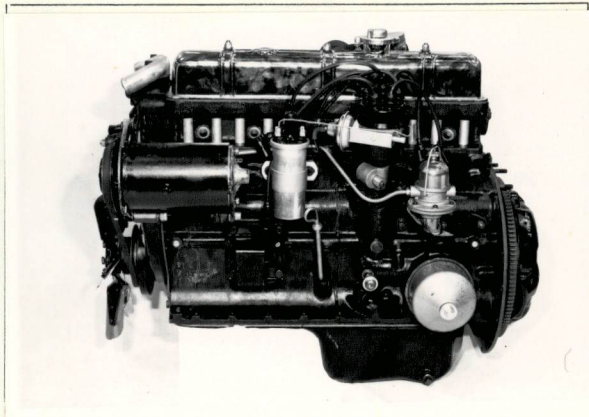
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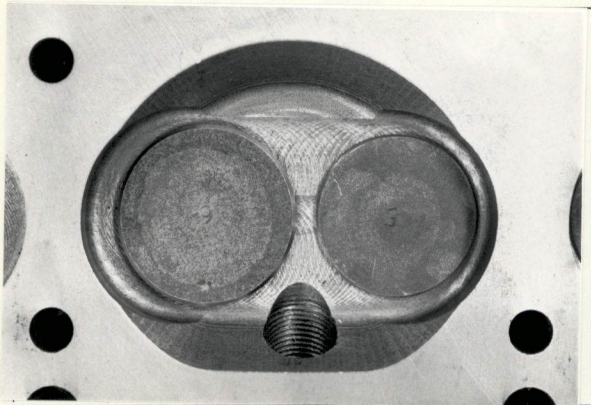
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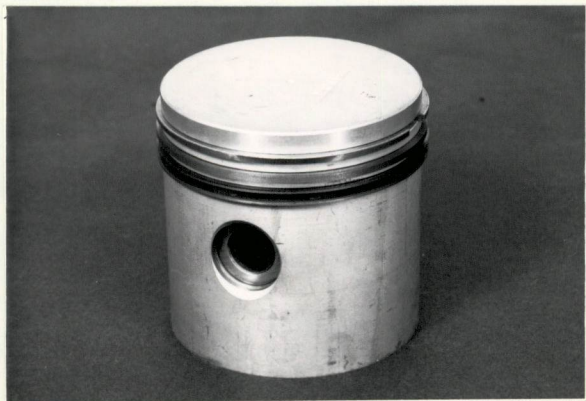
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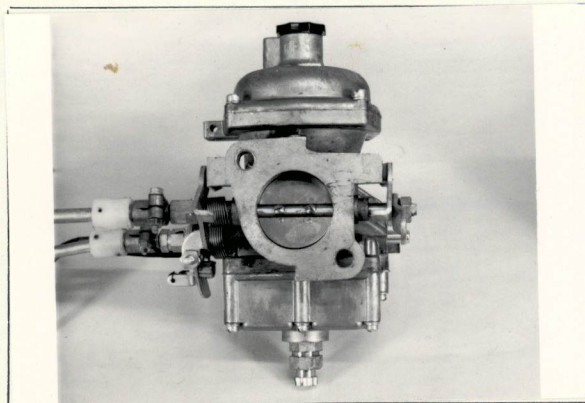
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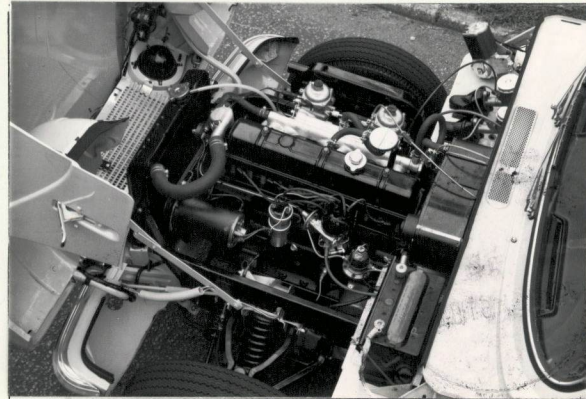
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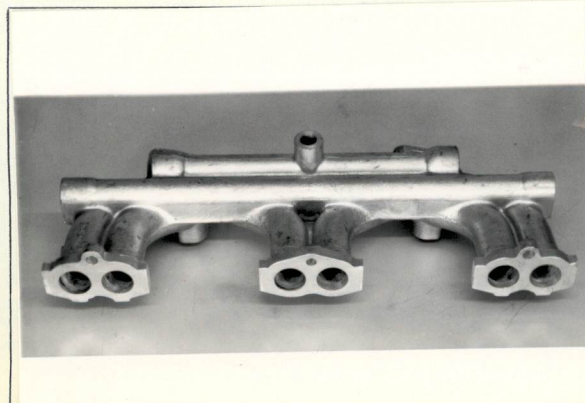
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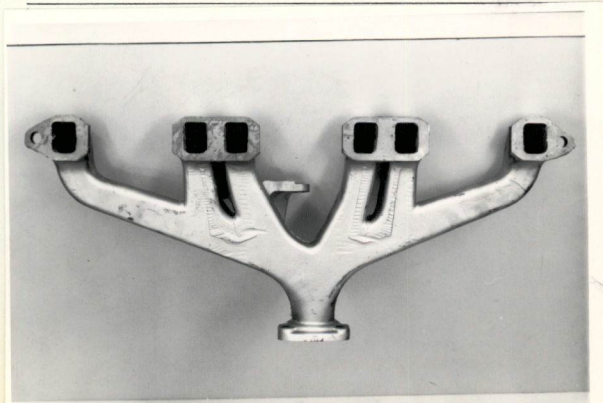
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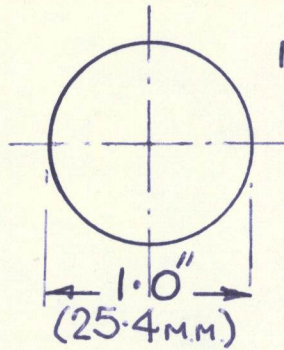
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Q

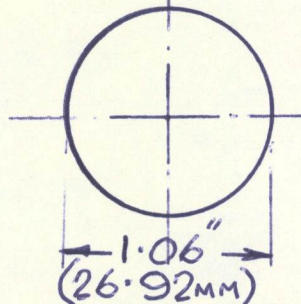


Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



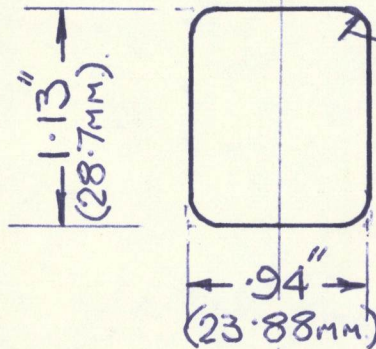
MACHINING TOLERANCE  
 $\pm 0.010"$  (.254mm.)

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



MACHINING TOLERANCE  
 $\pm 0.010"$  (.254mm.)

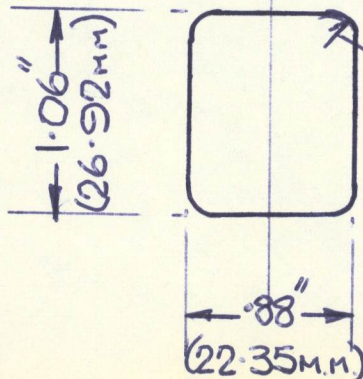
Drawing of exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



.13"RAD.  
(3.18mm)

UNMACHINED CASTING  
BURRS & FLASHES  
FETTLED

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



.13"RAD.  
(3.18mm)

UNMACHINED CASTING  
BURRS & FLASHES  
FETTLED.

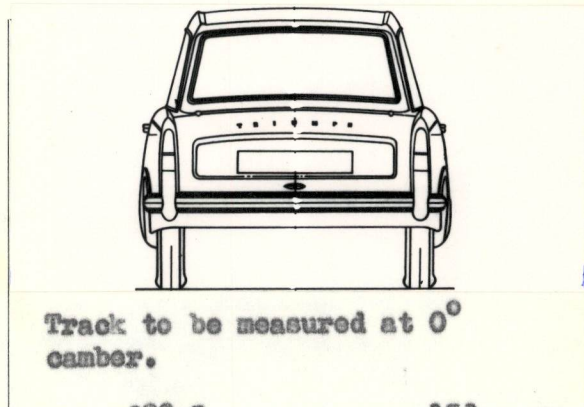
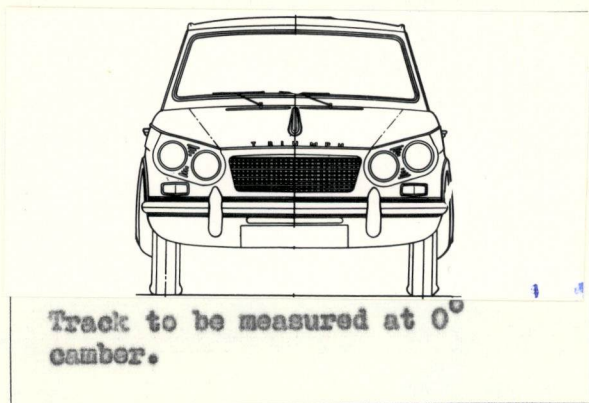


**NOTE 1.**

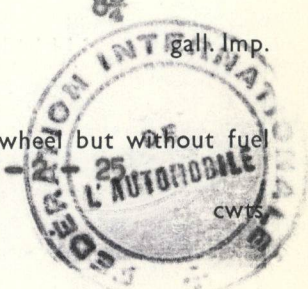
All dimensions must be given in two measuring systems, see Note 3.

**CAPACITIES AND DIMENSIONS**

- |                |      |      |     |      |        |
|----------------|------|------|-----|------|--------|
| 1. Wheelbase   |      | 2325 |     | 91.5 |        |
|                |      |      | mm. |      | inches |
| 2. Front track | 1245 | 49   |     |      |        |
|                |      |      | mm. |      | inches |
| 3. Rear track  |      | 1220 |     | 48   |        |
|                |      |      | mm. |      | inches |



- |  |        |       |       |       |                |
|--|--------|-------|-------|-------|----------------|
| 4. Overall length of the car   |        | 388.5 |       | 153   |                |
|  |        | 152.5 | cm.   | 60    | inches         |
| 5. Overall width of the car  |        | 133.5 | cm.   | 52.5  | inches (laden) |
| 6. Overall height of the car   |        |       | cm.   |       | inches         |
| 7. Capacity of fuel tank (reserve included)  | 40     | 10½   |       | 8½    |                |
|  |        |       | ltrs. |       | gall. U.S.     |
| 8. Seating Capacity.   |        |       |       |       |                |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | 900.38 | 1985  |       | 17-25 |                |
|  |        |       | kg.   |       | lbs.           |



**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	ltrs.
1 foot/pied	—	30.4794	cm.	1 pint (pt)	—	0.568	ltrs.
1 sq. inch/pouce carre	—	6.452	cm. <sup>2</sup>	1 gallon Imp.	—	4.546	ltrs.
1 cubic inch/pouce cube	—	16.387	cm. <sup>3</sup>	1 gallon US	—	3.785	ltrs.
1 pound/livre (lb)	—	453.593	gr.	1 hundred weight (cwt.)	—	50.802	kg.

**CHASSIS AND COACHWORK** (Photographs A, B and C)

- 20. Chassis/body construction: separate/~~UNITARY CONSTRUCTION~~
- 21. Unitary construction, material(s)
- 22. Separate construction, Material(s) of chassis **PRESSED STEEL**
- 23. Material(s) of coachwork **PRESSED STEEL**
- 24. Number of doors **2** Material(s) **STEEL**
- 25. Material(s) of bonnet **STEEL**
- 26. Material(s) of boot lid **ESEEL**
- 27. Material(s) of rear-window **GLASS**
- 28. Material(s) of windscreen **LAMINATED OR ZONE TOUGHENED GLASS**
- 29. Material(s) of front-door windows **GLASS**
- 30. Material(s) of rear-~~VIEW~~ windows **GLASS**
- 31. Sliding system of door windows **REMOTE WINDER**
- 32. Material(s) of rear-quarter light **GLASS**

**ACCESSORIES AND UPHOLSTERY**

- 38. Interior heating : yes — ~~NA~~
- 39. Air conditioning : yes — ~~NA~~ **SEPERATE/ PVC**
- 40. Ventilation : yes — ~~XX~~ **X**
- 41. Front seats, type of seat and upholstery **or LEATHER**
- 42. Weight of front seat(s), complete with supports and rails, out of the car :
  - 10.44** kg. **23** lbs. each
- 43. Rear seats, type of seat and upholstery **BENCH** **PVC or LEATHER.**
- 44. Front bumper, material(s) **ALUM/STEEL** Weight **1.83** kg.
- 45. Rear bumper, material(s) **ALUM/STEEL** Weight **2.47** kg.



**WHEELS**

- 50. Type **STEEL DISC**
- 51. Weight (per wheel, without tyre) **5.5** kg. **12** lbs.
- 52. Method of attachment **4 NUT.**
- 53. Rim diameter **338.2** mm. **13** ins.
- 54. Rim width **114.3** mm. **4.5** ins.

**STEERING**

- 60. Type **RACK & PINION**
- 61. Servo-assistance : ~~YES~~ **NO**
- 62. Number of turns of steering wheel from lock to lock **4 3/8**
- 63. In case of servo-assistance

**SUSPENSION**

- 70. Front suspension (photograph D), type **INDEPENDANT. COIL SPRING & UNEQUAL LENGTH WISHBONE**
- 71. Type of spring **COIL**
- 72. Stabiliser (if fitted) **ANTI\_ROLL BAR**
- 73. Number of shock absorbers **1 PER SIDE**      74. Type **TELESCOPIC**
- 78. Rear suspension (photograph E), type **SWING AXLE INDEPENDANT**
- 79. Type of spring **TRANSVERSE LEAF**
- 80. Stabiliser (if fitted) **—**
- 81. Number of shock absorbers **1 PER SIDE**      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 **ONE**
- 93. Number of cylinders per wheel **TWO(2) FRONT**      **ONE(1) REAR**
- 94. Bore of wheel cylinder(s) **53.975** mm. **2.125** inches **19.1** mm. **0.75** inches

**Drum Brakes**

- 95. Inside diameter mm. inches **203** mm. **8.0** inches
- 96. Length of brake linings mm. inches **194** mm. **7.65** inches
- 97. Width of brake linings mm. inches **31.8** mm. **1.25** inches
- 98. Number of shoes per brake **TWO(2)**
- 99. Total area per brake mm.<sup>2</sup> sq. in. **12250** mm.<sup>2</sup> **19** sq. in.

**Disc Brakes**

- 100. Outside diameter **246.38** mm. **9.7** inches mm. inches
- 101. Thickness of disc **12.7** mm. **0.50** inches mm. inches
- 102. Length of brake linings **67.81** mm. **2.67** inches mm. inches
- 103. Width of brake linings **52.324** mm. **2.06** inches mm. inches
- 104. Number of pads per brake **TWO(2)**
- 105. Total area per brake **7097** mm.<sup>2</sup> **11.0** sq. in. mm.<sup>2</sup> sq. in.



Make TRIUMPH

Model 2 LITRE VITESSE

F.I.A. Rec. No. 554

ENGINE (photographs J and K)

- 130 Cycle 4 STROKE
- 131. Number of cylinders 6
- 132. Cylinder Arrangement IN LINE
- 133. Bore 74.7 mm. 2.94 in.
- 134. Stroke 76 mm. 2.99 in.
- 135. Capacity per cylinder 333 cm.<sup>3</sup> 20.33 cu. in.
- 136. Total cylinder capacity + 1998 cm.<sup>3</sup> 122 cu. in.
- 137. Material(s) of cylinder block CHROME CAST IRON Material(s) of sleeves (if fitted) ---
- 139. Cylinder head, material(s) CHROME CAST IRON Number fitted ONE(1)
- 140. Number of inlet ports 6
- 141. Number of exhaust ports 6
- 142. Compression ratio 9.5/1
- 143. Volume of one combustion chamber + 1cc 31.6 cm.<sup>3</sup> 1.928 cu. in.
- 144. Piston, material ALUMINIUM ALLOY
- 145. Number of rings 3
- 146. Distance from gudgeon pin centre line to highest point of piston crown 38.1 mm. 1.50 in.
- 147. Crankshaft: ~~stamped~~ stamped
- 148. Type of crankshaft: integral/.....XXXXXXXX
- 149. Number of crankshaft main bearings 4
- 150. Material of bearing cap CHROME CAST IRON
- 151. System of lubrication: ~~dry sump~~ oil in sump
- 152. Capacity, lubricant 4.5 ltrs. 8 pts. 4.8 quarts U.S.
- 153. Oil cooler: ~~yes~~ no
- 154. Method of engine cooling WATER COOLED
- 155. Capacity of cooling system 6.2 ltrs. 11 pts. 6.6 quarts U.S.
- 156. Cooling fan (if fitted) dia. 31.75 cm. 12.5 in.
- 157. Number of blades of cooling fan 6 (SIX)

Bearings

- 158. Crankshaft main, type SHELL. LEAD INDIUM dia. 50.8 m.m. 2.0 in.
- 159. Connecting rod big end, type SHELL. LEAD INDIUM dia. 47.55 m.m. 1.872 in.

Weights

- 160. Flywheel (clean) 7.94 kg. 17.5 lbs.
- 161. Flywheel with clutch (all turning parts) Bolts included 13.95 kg. 30.7 lbs.
- 162. Crankshaft 20.67 kg. 45.5 lbs.
- 163. Connecting rod 0.68 kg. 1.5 lbs.
- 164. Piston with rings and pin 0.458 kg. 1.0 lbs.





**FOUR STROKE ENGINES**

- 170. Number of camshafts **ONE(1)**
- 171. Location **LEFT SIDE CYL BLOCK (PLAN)**
- 172. Type of camshaft drive **CHAIN**
- 173. Type of valve operation **PUSH ROD OPERATED O.H.V. WITH ROCKERS**

**INLET** (see page 4)\*

- 180. Material(s) of inlet manifold **ALUMINIUM ALLOY**
- 181. Diameter of valves **33.1 mm. 1.305 ins.**
- 182. Max. valve lift **7.9 mm. 0.312 in.**
- 183. Number of valve springs **2**
- 184. Type of spring **COIL**
- 185. Number of valves per cylinder **1**
- 186. Tappet clearance for checking timing (cold) **0.38 mm. 0.015 ins.**
- 187. Valves open at (with tolerance for tappet clearance indicated) **18DEGREES B.T.D.C.**
- 188. Valves close at (with tolerance for tappet clearance indicated) **58DEGREES A.B.D.C.**
- 189. Air filter, type **PAPER ELEMENT**

**EXHAUST** (see page 4)\*

- 195. Material(s) of exhaust manifold **CAST IRON**
- 196. Diameter of valves **30 mm. 1.18 ins.**
- 197. Max. valve lift **7.9 mm. 0.312 in.**
- 198. Number of valve springs **2**
- 199. Type of spring **COIL**
- 200. Number of valves per cylinder **1**
- 201. Tappet clearance for checking timing (cold) **0.38 mm. 0.015 ins.**
- 202. Valves open at (with tolerance for tappet clearance indicated) **58DEGREES b.b.d.c.**
- 203. Valves close at (with tolerance for tappet clearance indicated) **18DEGREES ~~lx~~ a.t.d.c.**

**CARBURETION** (photograph N)

- 210. Number of carburettors fitted **2**
- 211. Type **SIDEDRAUGHT**
- 212. Make **STROMBERG**
- 213. Model **150.C.D.**
- 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 ~~dia~~ **DIMENSION** with piston at maximum height (example : SU) **25.47 mm. 1.030 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 **mm. ins.**



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

Make **TRIUMPH**

Model **2 LITRE VITESSE**

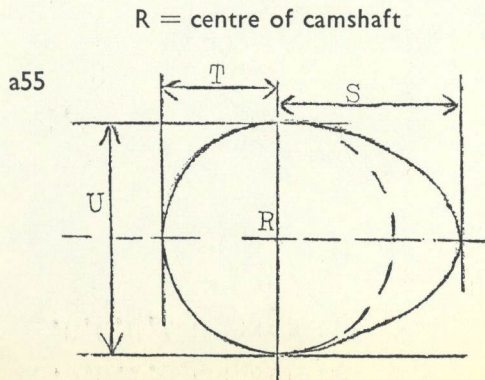
F.I.A. Rec. No. **554**

**ENGINE ACCESSORIES**

- 230. Fuel pump : mechanical ~~AND/OR ELECTRICAL~~
- 231. No. fitted **1**
- 232. Type of ignition system **COIL**
- 233. No. of distributors **1**
- 234. No. of ignition coils **1**
- 235. No. of spark plugs per cylinder **1**
- 236. Generator, type : dynamo ~~ALTERNATOR~~ number fitted **1**
- 237. Method of drive **VEE BELT**
- 238. Voltage of generator **12** volts
- 239. Battery, number **1**
- 240. Location **UNDER BONNET**
- 241. Voltage of battery **12** volts **48 amp hour at 10 amp rate.**

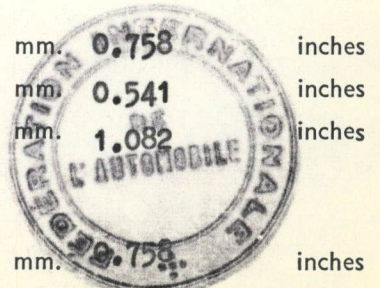
**ENGINE AND CAR PERFORMANCES** (as declared by manufacturer in catalogue)

- 250. Max. engine output **95 H.P.** (type of horsepower: **NET**) at **5,000** r.p.m.
- 251. Max. r.p.m. **6,000** output at that figure **NOT QUOTED AS NOT SUSTAINED.**
- 252. Max. torque **1,408 lb/ins** at **3,000** r.p.m.
- 253. Max. speed of the car **160** km./hour **100** miles/hour



**Inlet cam**

- S = **19.26**
- T = **13.74**
- U = **27.48**



**Exhaust cam**

- S = **19.26**
- T = **13.74**
- U = **27.48**

mm. **0.758** inches  
 mm. **0.541** inches  
 mm. **1.082** inches  
 mm. **0.758** inches  
 mm. **0.541** inches  
 mm. **1.082** inches

Make **TRIUMPH**

Model **2 LITRE VITESSE**

F.I.A. Rec. No. **554**

**DRIVE TRAIN**

**CLUTCH**

260. Type of clutch **SPRING DIAPHRAGM**
261. No. of plates **1**
262. Dia. of clutch plates **21.59** cm. **8.5** ins.
263. Dia. of linings, inside **14.605** cm. **5.75** ins.
- outside **21.59** cm. **8.5** ins.
264. Method of operating clutch **HYDRAULIC**

**GEAR BOX** (photograph H)

270. Manual type, make **STANDARD TRIUMPH** Method of operation **REMOTE LEVER**
271. No. of gear-box ratios forward **4** 272. Synchronized forward ratios **4**
273. Location of gear-shift **CENTRE FLOOR**
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	2.65	29/15			2.93	30/14		
2	1.78	26/15			1.78	26/20		
3	1.25	22/20			1.25	22/24		
4	DIRECT	19/24			DIRECT	19/26		
5								
6								
reverse	3.10	34/15			2.93	30/14		

278. Overdrive, type **LAYCOCK "D" TYPE (ELECTRICALLY OPERATED)**
279. Forward gears on which overdrive can be selected **3rd & 4th**
280. Overdrive ratio **0.802/1**

**FINAL DRIVE**

290. Type of final drive **HYPOID**
291. Type of differential \_\_\_\_\_
292. Type of limited slip differential (if fitted) \_\_\_\_\_
293. Final drive ratio **3.89 & 4.1 / 1** Number of teeth **9/35 & 9/37**



Make TRIUMPH

Model 2 LITRE VITESSE

F.I.A. Rec. No. 5574

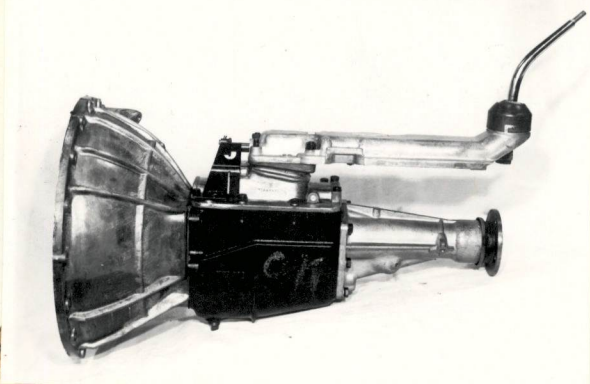
**IMPORTANT**—The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 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.

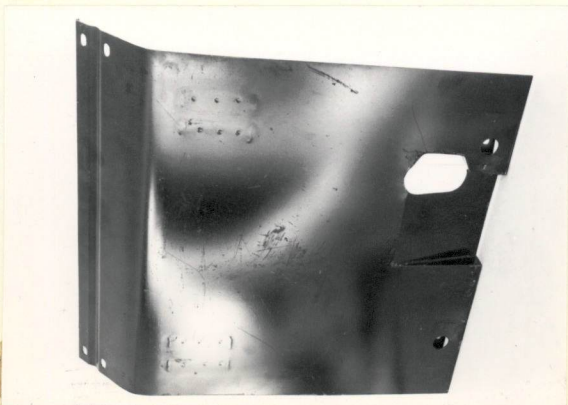
The vehicle described in this form has been subject to the following amendments :

on.....19.....	rec. no.....	List.....	on.....19.....	rec. no.....	List.....
on.....19.....	rec. no.....	List.....	on.....19.....	rec. no.....	List.....
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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.



NON OVERDRIVE GEARBOX DET. 515449



SKID SHIELD ASSEMBLY DET. 306133

