

F.I.A. Recognition No. ~~354~~ 1468

Group 2



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 **STANDARD TRIUMPH MOTOR Co Ltd** Cylinder-capacity **1998** cm.³ **122** in.³
 Model **2 LITRE VITESSE.**
 Serial No. of chassis/body **H.C. 1. ONWARDS** Manufacturer **STANDARD TRIUMPH MOTOR Co Ltd.**
 Serial No. of engine **H. C.1. H.E. ONWARDS** Manufacturer **STANDARD TRIUMPH MOTOR Co Ltd.**
 Recognition is valid from **1st April '67** List **16/1**
 The manufacturing of the model described in this recognition form started on **4th JULY** 19 **66**
 and the minimum production of **1,000** identical cars, in accordance with the specifications of
 this form was reached on **20th October 1966**

Photograph A, ¾ view of car from front



F.I.A. Stamp

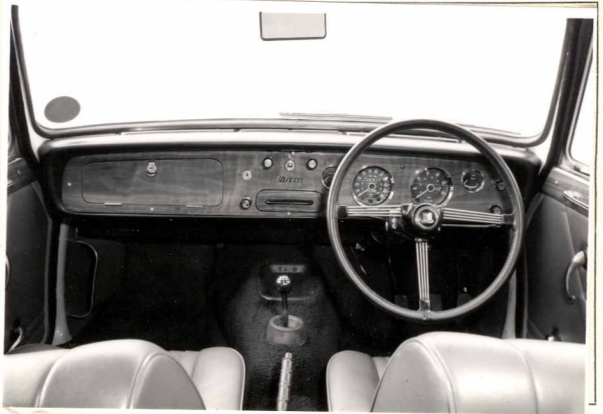


R.A.C. Stamp

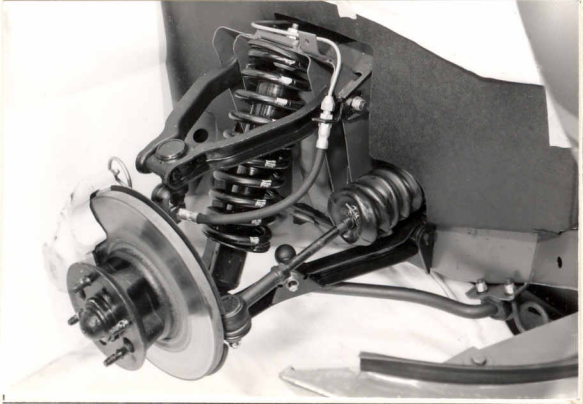
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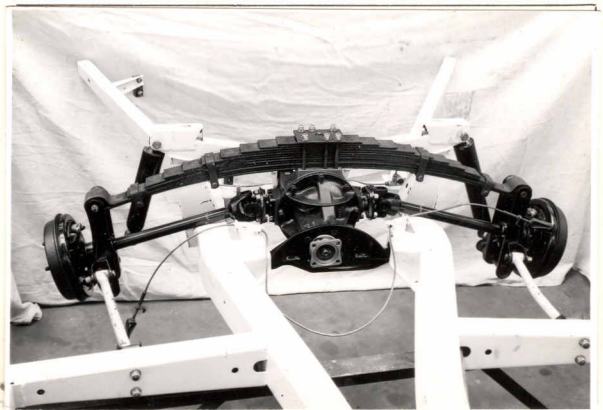
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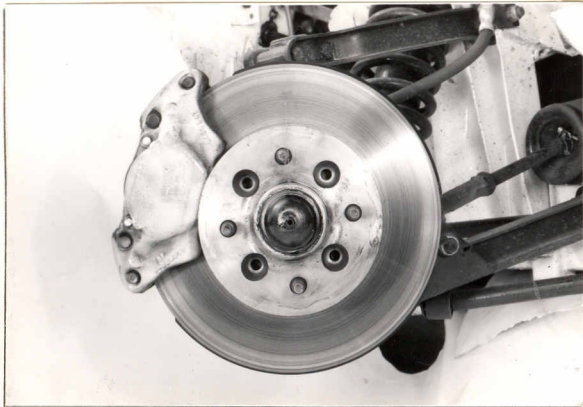
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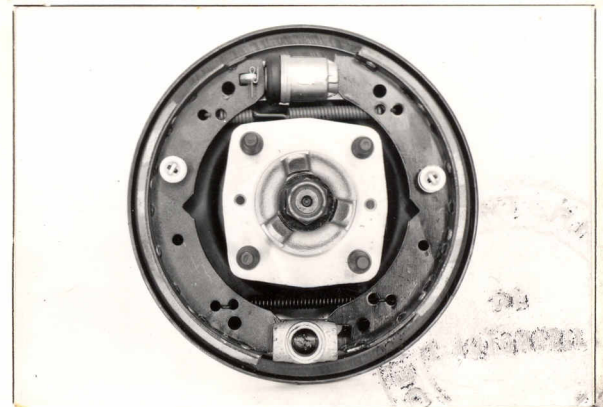
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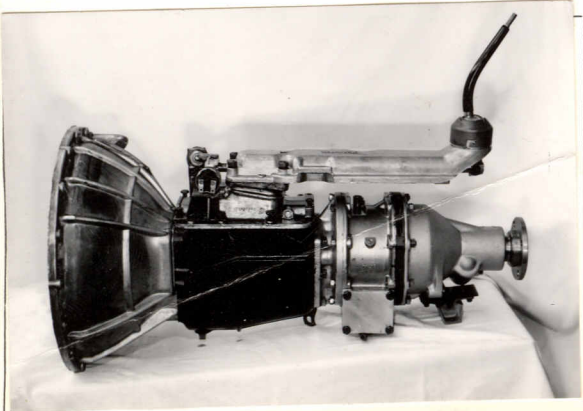
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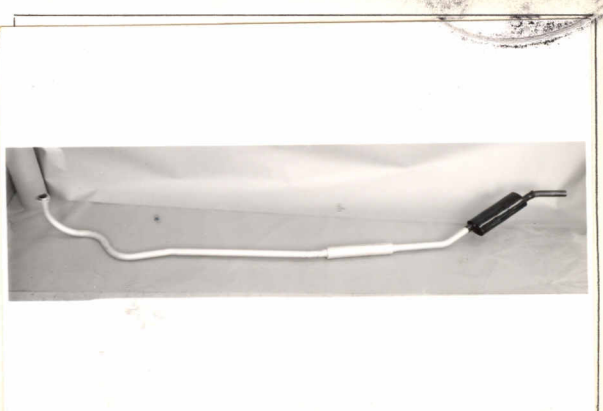
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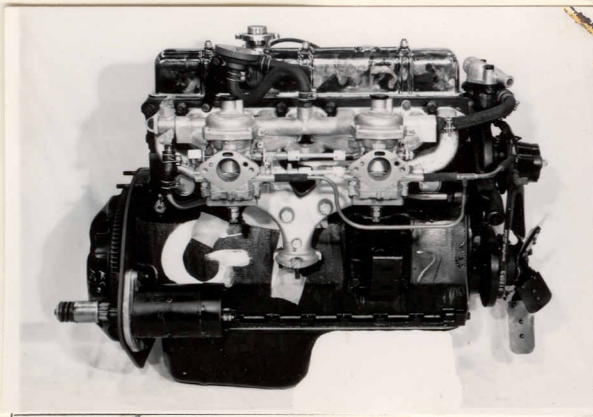
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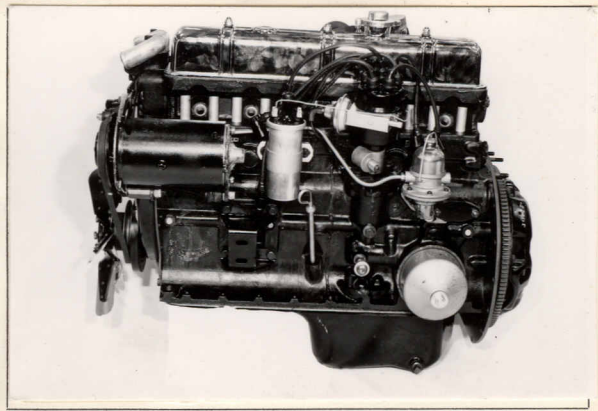
I



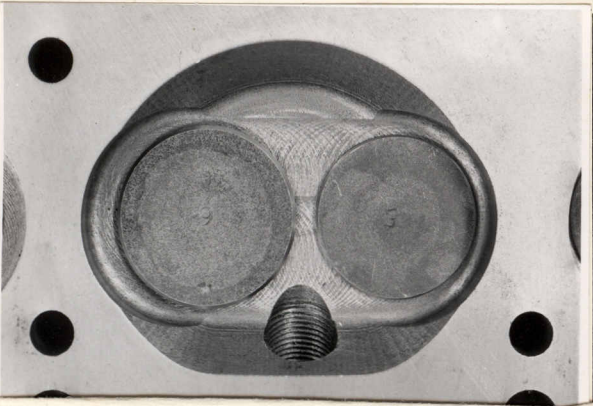
J



K



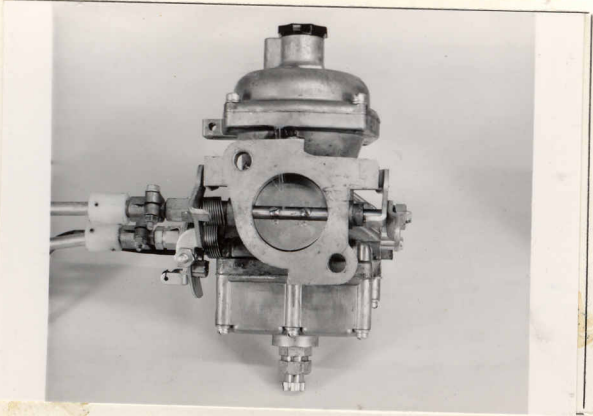
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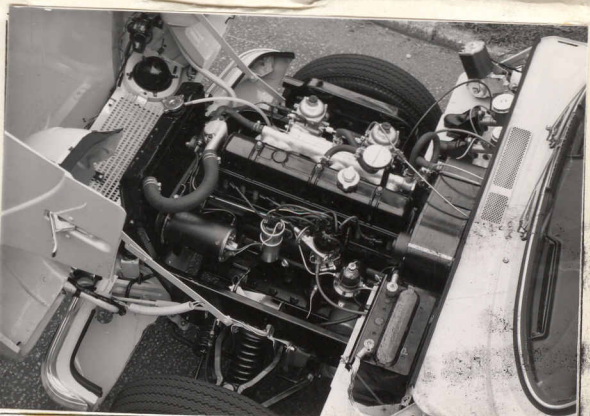
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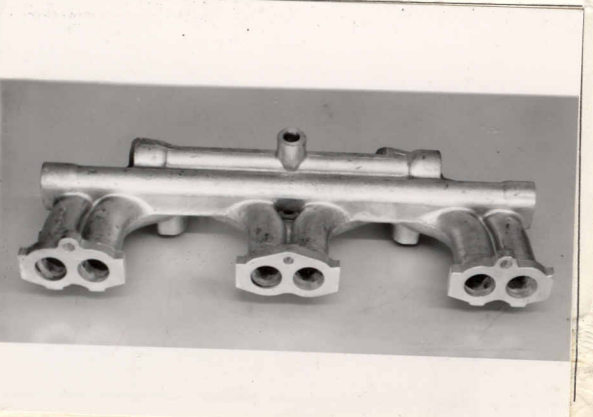
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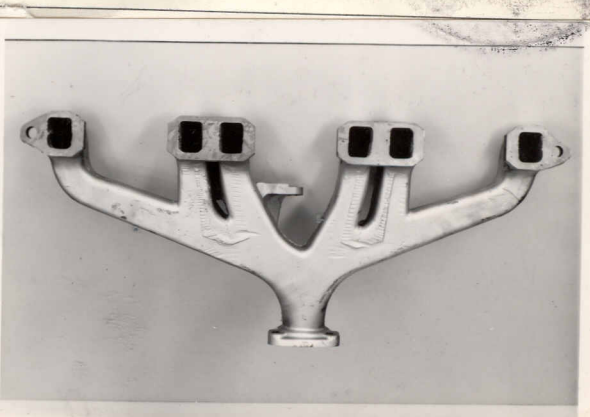
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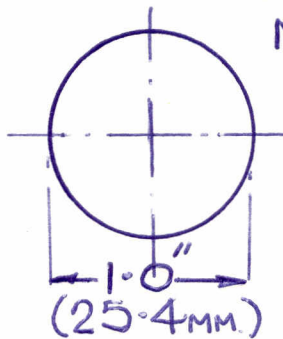
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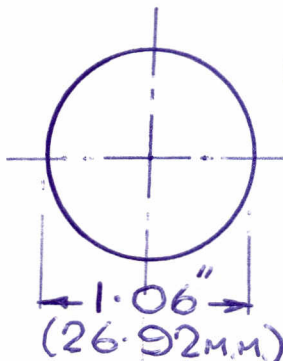


Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



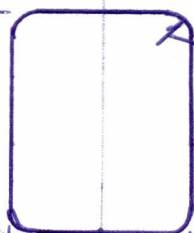
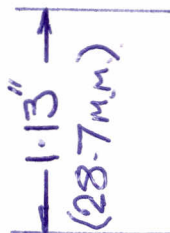
MACHINING TOLERANCE
 $\pm 0.010''$ (.254 mm.)

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



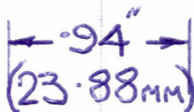
MACHINING TOLERANCE
 $\pm 0.010''$ (.254 mm.)

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

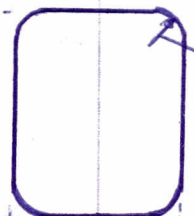
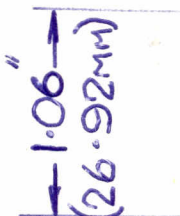


.13 RAD
(3.18 mm.)

UNMACHINED CASTING
BURRS & FLASHES
FETTLED.



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



.13 RAD
(3.18 mm.)

UNMACHINED CASTING
BURRS & FLASHES
FETTLED.



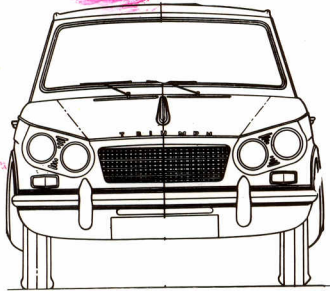
NOTE 1.

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

CAPACITIES AND DIMENSIONS

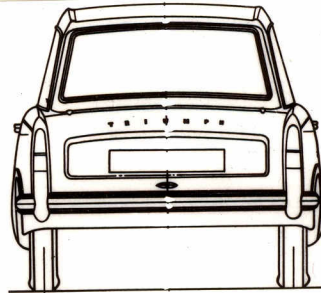
- | | | |
|----------------|---------------|-------------|
| 1. Wheelbase | 2325 mm. | 91.5 inches |
| 2. Front track | | |
| | 3. Rear track | |

1245 mm. 49 inches



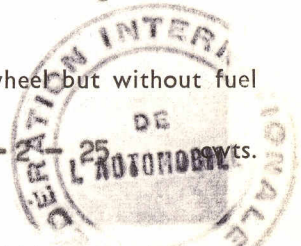
Track to be measured at 0° camber.

1220 mm. 48 inches



Track to be measured at 0° camber.

- | | | | |
|--|------------|---------------------|---------------|
| 4. Overall length of the car | 388.5 cm. | 153 inches | |
| 5. Overall width of the car | 152.5 cm. | 60 inches | |
| 6. Overall height of the car | 133.5 cm. | 52.5 inches (laden) | |
| 7. Capacity of fuel tank (reserve included) | 40 ltrs. | 10½ gall. U.S. | 8¼ gall. Imp. |
| 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 kg. | 1985 lbs. | 17 - 25 cwt. |



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. ²	1 gallon Imp.	— 4.546	ltrs.
1 cubic inch/pouce cube	— 16.387	cm. ³	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~~ **N.A.**
- 21. Unitary construction, material(s) **N.A.**
- 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 **STEEL**
- 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-door windows ~~GLASS~~ **GLASS**
- 31. Sliding system of door windows **REMOTE WINDER**
- 32. Material(s) of rear-quarter light **GLASS**

ACCESSORIES AND UPHOLSTERY

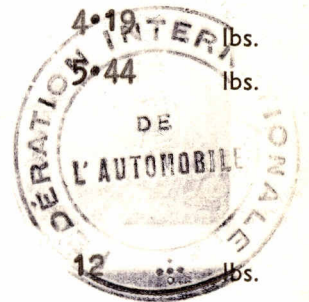
- 38. Interior heating : yes — ~~no~~ **XXX**
- 39. Air conditioning : yes — ~~no~~ **XX** **SEPERATE/PVC OR LEATHER**
- 40. Ventilation : yes — ~~no~~ **XX**
- 41. Front seats, type of seat and upholstery **SEPERATE/PVC OR LEATHER**
- 42. Weight of front seat(s), complete with supports and rails, out 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.
- 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~~ **XXXXXX**
- 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)

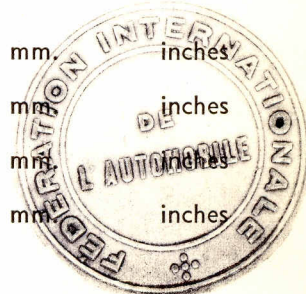
- 90. Method of operation **HYDRAULIC**
- 91. Servo-assistance (if fitted), type **—**
- 92. Number of hydraulic master cylinders **ONE(1)**
- 93. Number of cylinders per wheel **TWO(2)** **FRONT** **ONE(1) REAR**
- 94. Bore of wheel cylinder(s) **53.975** mm. **2.125** inches **19.1** mm. **0.75** inches

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.² sq. in. **12250** mm.² **19** sq. in.

Disc Brakes

- 100. Outside diameter **246.38** mm. **9.7** inches
- 101. Thickness of disc **12.7** mm. **0.50** inches
- 102. Length of brake linings **67.81** mm. **2.67** inches
- 103. Width of brake linings **53.324** mm. **2.06** inches
- 104. Number of pads per brake **TWO(2)**
- 105. Total area per brake **7097** mm.² **11.0** sq. in.



Make **TRIUMPH**

Model **2 LITRE VITESSE**

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

ENGINE (photographs J and K)

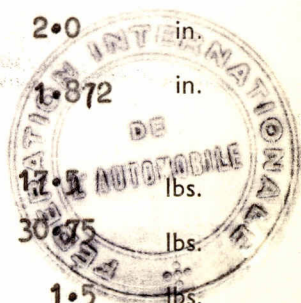
- 130. Cycle **4 STROKE**
- 131. Number of cylinders **6**
- 132. Cylinder Arrangement **IN LINE**
- 133. Bore **74.7** mm. **2.94** in.
- 134. Stroke **76** mm. **2.99** in.
- 135. Capacity per cylinder **333** cm.³ **20.33** cu. in.
- 136. Total cylinder capacity **1998** cm.³ **122** cu. in.
- 137. Material(s) of cylinder block **CHROME CAST IRON**
- 138. 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.³ **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: ~~provided~~/**XXXXXX** 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~~/**XXXXXXXX** 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 **SIX(6)**

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.
- 161. Flywheel with clutch (all turning parts) **Bolts included** **13.95** kg.
- 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.



Make **TRIUMPH**

Model **2 LITRE VITESSE**

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

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 b x 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 **DIAMENSION** diam., 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.

ENGINE ACCESSORIES

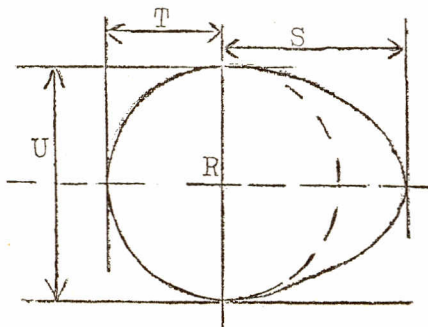
230. Fuel pump : mechanical ~~and/or electrical~~
231. No. fitted **1**
232. Type of ignition system **COIL**
233. No. of distributors **1**
234. No. of ignition coils **1**
235. No. of spark plugs per cylinder **1**
236. Generator, type : dynamo/~~alternator~~ number fitted **1**
237. Method of drive **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

R = centre of camshaft

a55

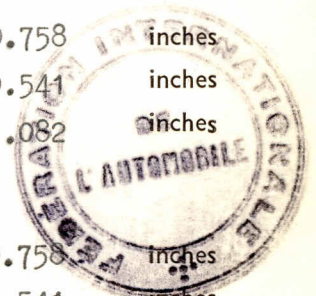


Inlet cam

S =	19.26	mm.	0.758	inches
T =	13.74	mm.	0.541	inches
U =	27.48	mm.	1.082	inches

Exhaust cam

S =	19.26	mm.	0.758	inches
T =	13.74	mm.	0.541	inches
U =	27.48	mm.	1.082	inches



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	NO SYNCHRO	
2	1.78	26/15			1.78	26/14		
3	1.25	22/20			1.25	22/20		
4	DIRECT	19/24			DIRECT	19/24		
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 **3 rd & 4 th**
280. Overdrive ratio **0.802/1**

FINAL DRIVE

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



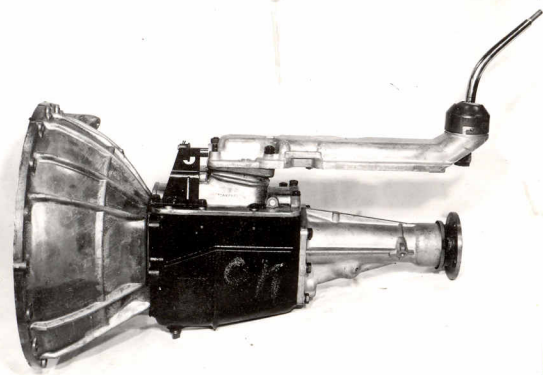
IMPORTANT—The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 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.

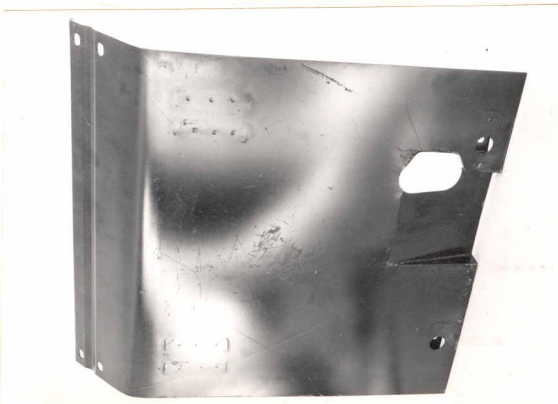
The vehicle described in this form has been subject to the following amendments :

on	15 JULY	19 67	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	.....

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



NON OVERDRIVE GEARBOX DET. 515449



SKID SHIELD ASSEMBLY DET. 306133





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

Manufacturer Standard Triumph

Model Vitesse 2 litre

F.I.A. Recognition No. 1468

Amendment No. 1 / ET

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No.

GROUP 2 - EVOLUTION

ENGINEERING CHANGE CRANKSHAFT AND CONNECTING RODS
MODIFIED AS DETAILS BELOW FROM ENGINE NO: HC 4501E.

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|----|------|--|
| 1. | 158. | Crankshaft main diameter 58.712 mm/2.3115 inches top
58.699 mm/2.3110 inches bottom |
| 2. | 159. | Connecting rod big end diameter
47.638 mm/1.8755 inches top
47.625 mm/1.8759 inches bottom |
| 3. | 162. | Crankshaft 22.68 kgs, = 50 lbs. $\pm 5\%$ |
| 4. | 163. | Connecting rod 0.659 kgs. = 1 lb. 7 $\frac{1}{4}$ ozs. $\pm 2\frac{1}{2}\%$ |

Date amendment is valid from

1st July 1967

list 16/4



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