

F.I.A. Recognition No. 5093

Group I



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 1147 cm.³ 70 in.³

Manufacturer Standard Triumph Motor Co. Ltd., Model Herald 12/50

Serial No. of chassis/body GD 1 RS onwards. Manufacturer Standard Triumph Mtr. Co. Ltd.,

Serial No. of engine GD 1 HD onwards. Manufacturer Standard Triumph Mtr. Co. Ltd.,

Recognition is valid from List

The manufacturing of the model described in this recognition form started on December 1962

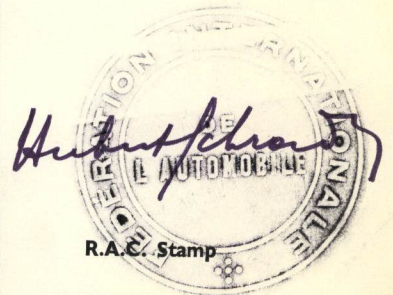
and the minimum production of 5000 identical cars, in accordance with the specifications of

this form was reached on June 1963

Photograph A, 3/4 view of car from front



F.I.A. Stamp

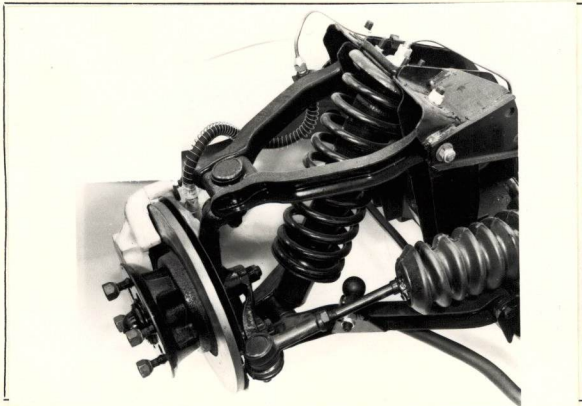


B



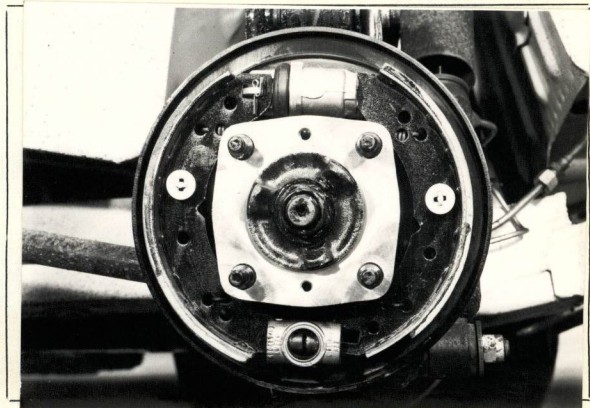
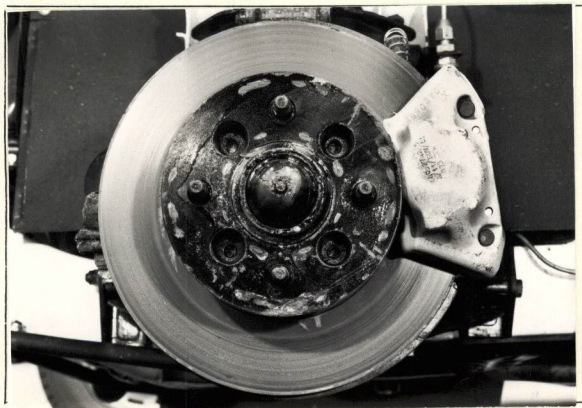
C

D



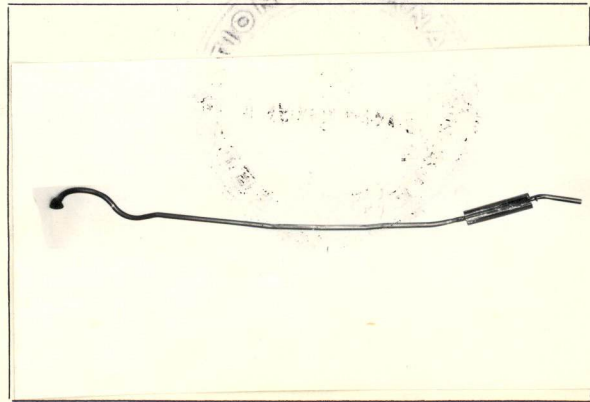
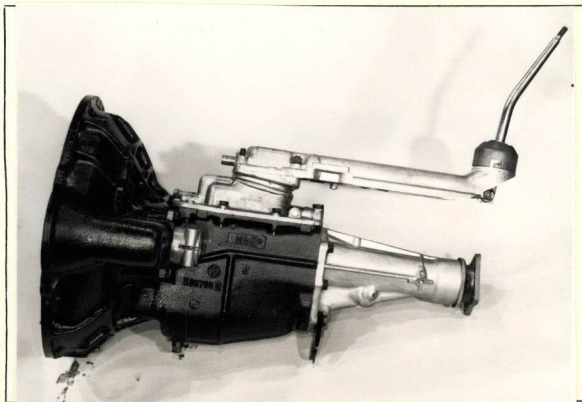
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F



G

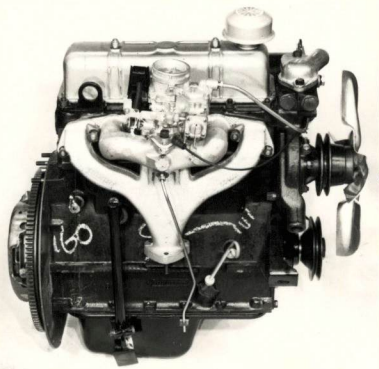
H



I

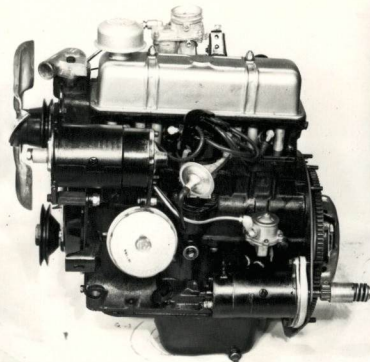
J

engine
and air



pitch
box

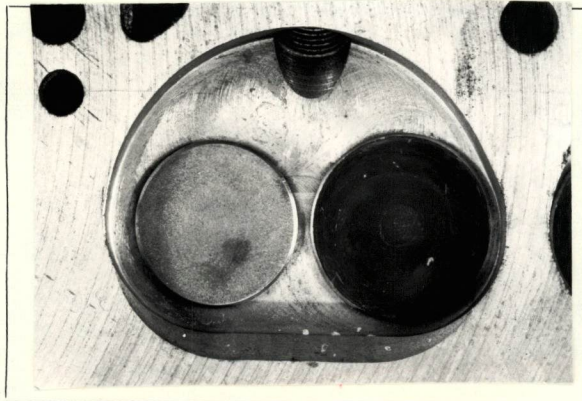
engine
access



oil
pan and
filter

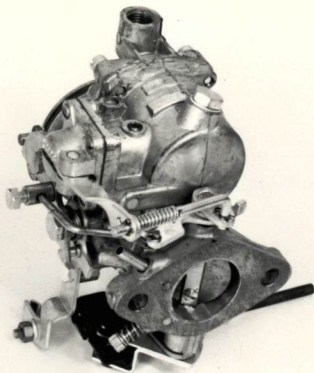
K

L

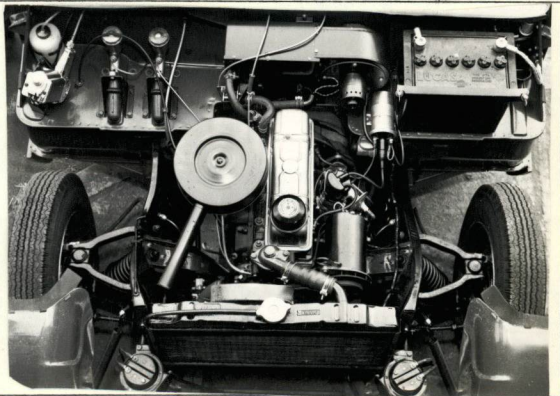


M

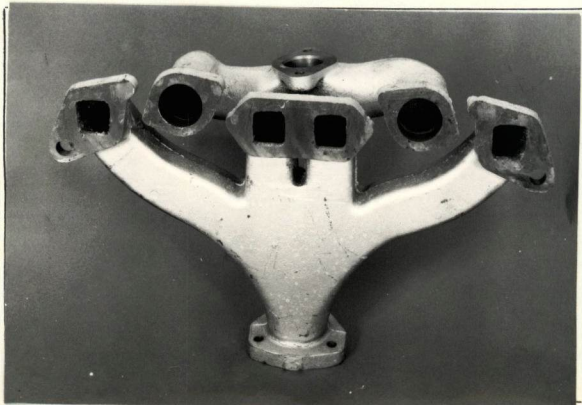
N



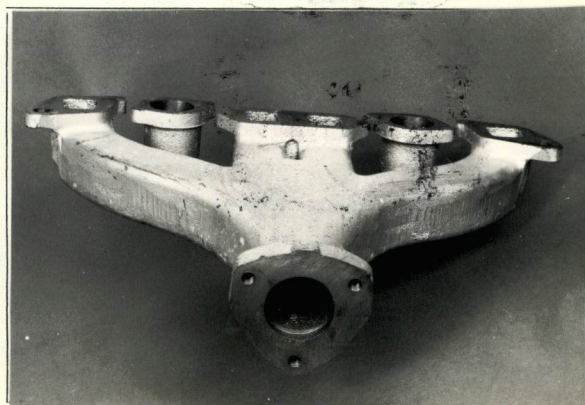
O



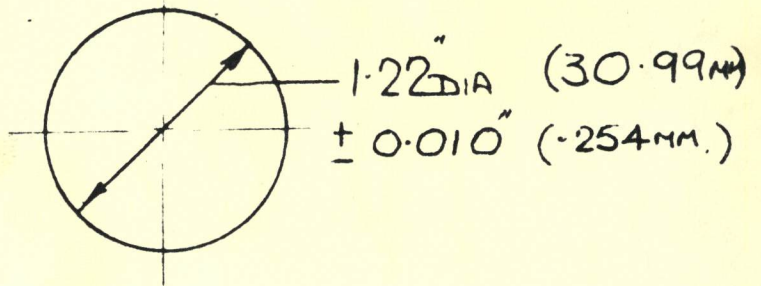
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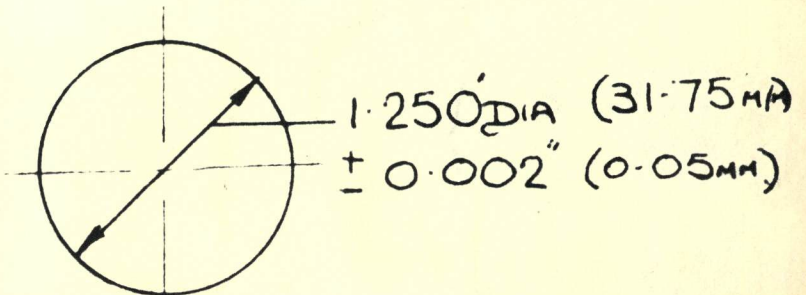
Q



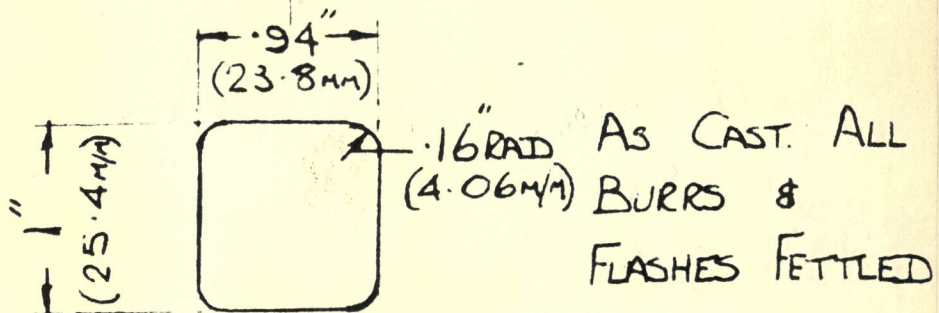
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



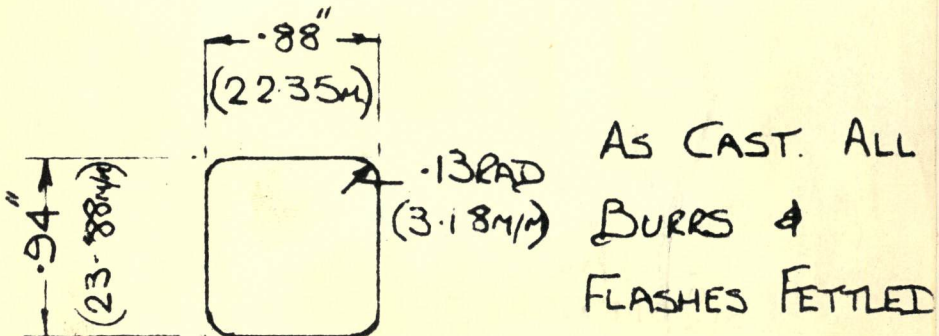
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.

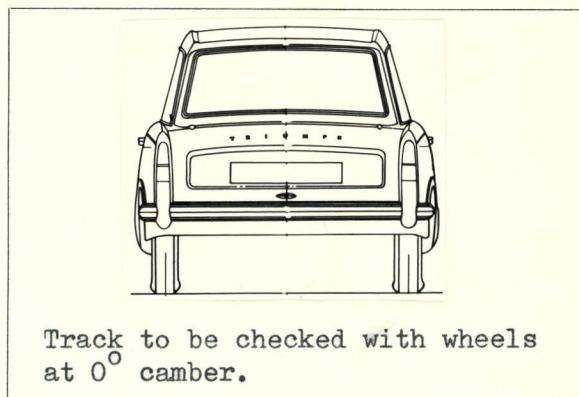
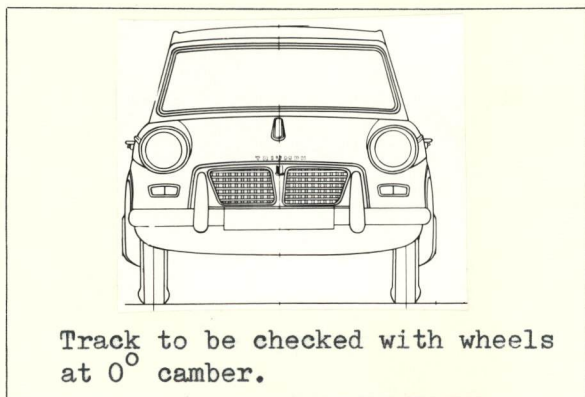


NOTE 1.

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

CAPACITIES AND DIMENSIONS

1. Wheelbase	2320	mm.	91 $\frac{1}{2}$	inches
2. Front track	1245	mm.	49	inches
3. Rear track	1220	mm.	48	inches



4. Overall length of the car	389	cm.	153	inches
5. Overall width of the car	152.5	cm.	60	inches
6. Overall height of the car	132	cm.	52	inches
7. Capacity of fuel tank (reserve included)	29.5	ltrs.	7.8	gall. U.S.
			6 $\frac{1}{2}$	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 :	8224.4	kg.	1813	lbs.
			16-0-21	cwts.

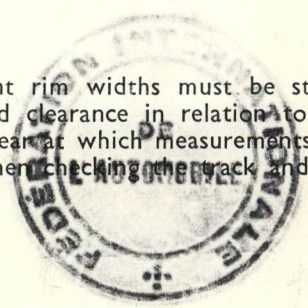
NOTE 2.

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	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~~
- 21. Unitary construction, material(s)
- 22. Separate construction, Material(s) of chassis Steel
- 23. Material(s) of coachwork 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 glass
- 29. Material(s) of front-door windows Glass
- 30. Material(s) of rear-door windows Glass
- 31. Sliding system of door windows Remote winder
- 32. Material(s) of rear-quarter light

ACCESSORIES AND UPHOLSTERY

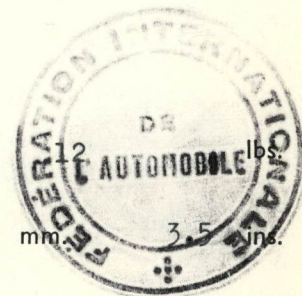
- 38. Interior heating : yes — ~~no~~
 - 39. Air conditioning : ~~yes~~ — no
 - 40. Ventilation : ~~yes~~ — no
 - 41. Front seats, type of seat and upholstery Separate/Ambla
 - 42. Weight of front seat(s), complete with supports and rails, out of the car :
(2 seats) 19.958 kg. 44 lbs.
 - 43. Rear seats, type of seat and upholstery Bench/Ambla
 - 44. Front bumper, material(s) Rubber/Steel Weight 3.630 kg. 8.310 lbs.
 - 45. Rear bumper, material(s) Rubber/Steel Weight 4.082 kg. 9 lbs.
- (with overriders)

WHEELS

- 50. Type Steel disc
- 51. Weight (per wheel, without tyre) 5.443 kg.
- 52. Method of attachment Four stud
- 53. Rim diameter 330 mm. 13 ins. 54. Rim width 88.9 mm 3.5 ins.

STEERING

- 60. Type Rack and pinion
- 61. Servo-assistance : ~~yes~~ — no
- 62. Number of turns of steering wheel from lock to lock 3.75
- 63. In case of servo-assistance



SUSPENSION

70. Front suspension (photograph D), type Independent double wishbone
 71. Type of spring Coil
 72. Stabiliser (if fitted) Anti-roll bar
 73. Number of shock absorbers Two 74. Type Telescopic
 78. Rear suspension (photograph E), type Swing axle
 79. Type of spring Transverse leaf
 80. Stabiliser (if fitted)
 81. Number of shock absorbers Two 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

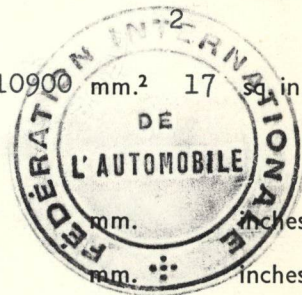
	2	FRONT	1	REAR
93. Number of cylinders per wheel				
94. Bore of wheel cylinder(s)	42.5	mm.1.685 inches	19	mm. .75 inches

Drum Brakes

95. Inside diameter		mm. inches	178	mm. 7 inches
96. Length of brake linings		mm. inches	173	mm. 6.8 inches
97. Width of brake linings		mm. inches	31.6	mm. 1 $\frac{1}{4}$ inches
98. Number of shoes per brake				
99. Total area per brake		mm. ² sq. in.	10900	mm. ² 17 sq. in.

Disc Brakes

100. Outside diameter	228.5	mm. 9 inches		
101. Thickness of disc	9.53	mm. .375 inches		
102. Length of brake linings	54	mm. 2 $\frac{1}{8}$ inches		
103. Width of brake linings	38.1	mm. 1.5 inches		
104. Number of pads per brake		2		
105. Total area per brake	4300	mm. ² 6.7 sq. in.		



ENGINE (photographs J and K)

- | | | | |
|---|--------------------|--|-------------------------------|
| 130. Cycle | Four stroke | 131. Number of cylinders | 4 |
| 132. Cylinder Arrangement | 4 in line | | |
| 133. Bore | 69.3 mm. 2.728 in. | 134. Stroke | 76 mm. 2.992 in. |
| 135. Capacity per cylinder | | 286.75 | cm. ³ 17.5 cu. in. |
| 136. Total cylinder capacity | | 1147 | cm. ³ 70 cu. in. |
| 137. Material(s) of cylinder block | Cast iron | 138. Material(s) of sleeves (if fitted) | |
| 139. Cylinder head, material(s) | Cast iron | Number fitted | One |
| 140. Number of inlet ports | 2 | 141. Number of exhaust ports | 4 |
| 142. Compression ratio | 8.5:1 | | |
| 143. Volume of one combustion chamber | | 32.4 | cm. ³ 1.95 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 | | 38.329 | mm. 1.509 in. |
| 147. Crankshaft: rounded /stamped | | 148. Type of crankshaft: integral /integral | |
| 149. Number of crankshaft main bearings | 3 | | |
| 150. Material of bearing cap | Cast iron | | |
| 151. System of lubrication: dry sump /oil in sump | | | |
| 152. Capacity, lubricant | 4.26 ltrs. 7½ pts. | 4.5 | quarts U.S. |
| 153. Oil cooler: yes /no | | 154. Method of engine cooling | Water. |
| 155. Capacity of cooling system | 4.8 ltrs. 8½ pts. | 5.07 | quarts U.S. |
| 156. Cooling fan (if fitted) dia. | | 31.8 | cm. 12.5 in. |
| 157. Number of blades of cooling fan | 4 | | |

Bearings

- | | | | | |
|-----------------------------------|-------------------|-------------|------------|-----|
| 158. Crankshaft main, type | Lead indium shell | dia. 50.838 | m.m. 2.002 | in. |
| 159. Connecting rod big end, type | | dia. 41.308 | m.m. 1.626 | in. |

Weights

- | | | | | |
|---|-------------------|---------------------|------------------|------|
| 160. Flywheel (clean) | | 6.588 | kg. 14.75 | lbs. |
| 161. Flywheel with clutch (all turning parts) | | 9.980 | kg. 22.06 | lbs. |
| 162. Crankshaft | 9.979 kg. 24 lbs. | 163. Connecting rod | 0.456 kg. 1.0265 | lbs. |
| 164. Piston with rings and pin | | 0.344 | kg. 0.851 | lbs. |



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 Cast iron
 181. Diameter of valves 33.17 mm. 1.306 ins.
 182. Max. valve lift 7.925 mm. .312 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 mm. .015 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
 196. Diameter of valves 29.2 mm. 1.150 ins.
 197. Max. valve lift 7.925 mm. .312 in. 198. Number of valve springs One
 199. Type of spring Helical coil 200. Number of valves per cylinder One
 201. Tappet clearance for checking timing (cold) .381 mm. .015 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 carburetors fitted One 211. Type Downdraught
 212. Make Solex 213. Model 30 PSEI
 214. Number of mixture passages per carburettor One
 215. Flange hole diameter of exit port(s) of carburettor 30 mm. 1.181 ins.
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)
22 mm. .866 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.

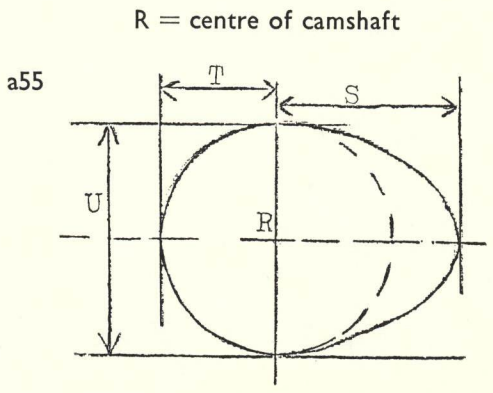


ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~and/or electrical~~
- 231. No. fitted 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/~~alternator~~ number fitted One
- 237. Method of drive Vee belt
- 238. Voltage of generator 12 nominal 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 51 (type of horsepower: NETT B.H.P.) at 5200 r.p.m.
- 251. Max. r.p.m. 5500 output at that figure Not quoted as not sustained.
- 252. Max. torque 756 lbs. in. at 2600 r.p.m.
- 253. Max. speed of the car 130-132 km./hour 81/82 miles/hour

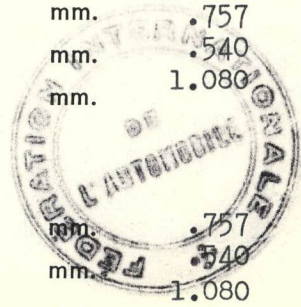


Inlet cam

S =	19.22	mm.	.757	inches
T =	13.72	mm.	.540	inches
U =	27.43	mm.	1.080	inches

Exhaust cam

S =	19.22	mm.	.757	inches
T =	13.72	mm.	.540	inches
U =	27.43	mm.	1.080	inches



DRIVE TRAIN

CLUTCH

260. Type of clutch **Coil spring** 261. No. of plates **One**
 262. Dia. of clutch plates **15.9** cm. **6.25** ins.
 263. Dia. of linings, inside **10.8** cm. **4.25** ins.
 outside **15.9** cm. **6.25** ins.
 264. Method of operating clutch **Hydraulic**

GEAR BOX (photograph H)

270. Manual type, make **Standard Triumph** Method of operation **Manual**
 271. No. of gear-box ratios forward **4** 272. Synchronized forward ratios **2nd, 3rd, & 4th**
 273. Location of gear-shift **Centrally mounted.**
 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	3.745	31/15			2.93	30/14		
2	2.158	25/21			1.78	26/20		
3	1.394	20/26			1.25	22/24		
4	1.0	16/29			1.00	19/26		
5								
6								
reverse	3.745	35/15			2.93	30/14		

278. Overdrive, type _____
 279. Forward gears on which overdrive can be selected _____
 280. Overdrive ratio _____

FINAL DRIVE

290. Type of final drive **Hypoid** 291. Type of differential **Bevel**
 292. Type of limited slip differential (if fitted) _____
 293. Final drive ratio **4.11 :1 4.55 :1** Number of teeth **9/37 9/41**



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 10 July.....1967..... rec. no. 5093.....List 5/2..... 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.....
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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 Standard Triumph

Model Herald 12/50

F.I.A. Recognition No. 5093 1/ET

Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

EVOLUTION

Production change from Commission No. 44446 (17th March 1966)

- | | | | | |
|----|------|--|---------|---------|
| 1. | 260. | Spring diaphragm clutch fitted detail No. 212037 | | |
| 2. | 161. | Flywheel with clutch (All turning parts) | | |
| | | | 9.5 kg. | 22 lbs. |

Date amendment is valid from

1st Jan. 1967. Cust 15/2

