

F.I.A. Recognition No. 605
Group 3 - Grand Sport



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 MTC CO** Model **GT6 MKII OR GT6+ (U.S.A.)** Cylinder capacity **1998** cm.³ **122** in.³
 Serial No of chassis/body **KC 50,001 ON.** Manufacturer **STANDARD TRIUMPH**
 No of engine **KC. 50,001 HEOR LE** Manufacturer **STANDARD TRIUMPH.**
 Recognition is valid from **1st Jan 1968** List **1968/11**
 Manufacturing of the model described in this recognition form started on **4-7-1968**
 Total production of **500** identical cars, in accordance with the specifications of
 was reached on **28-8-1968.**

Photograph A. 1/2 view of car from front

F.I.A. Stamp

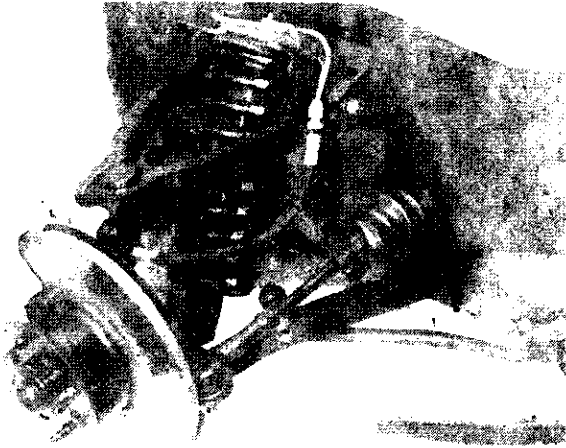
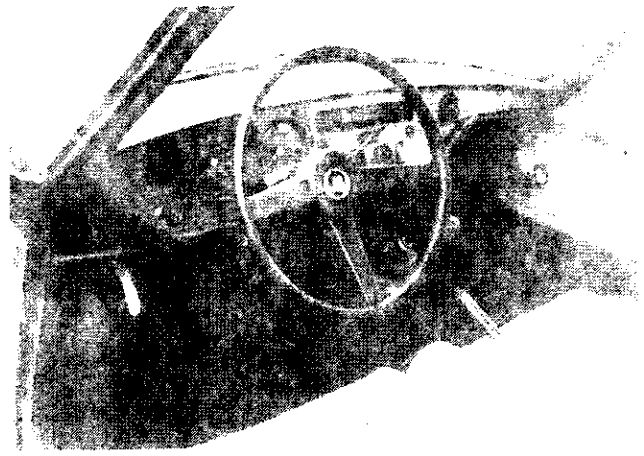
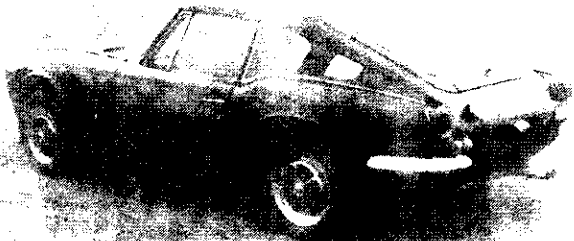


R.A.C. Stamp

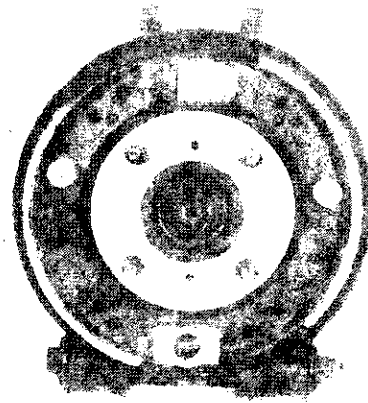
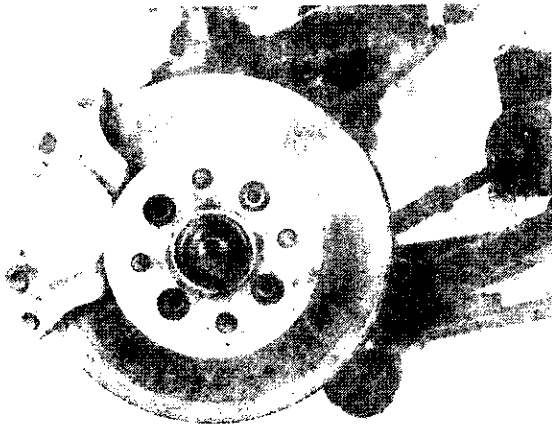
TRUMPH

GTOMK II.

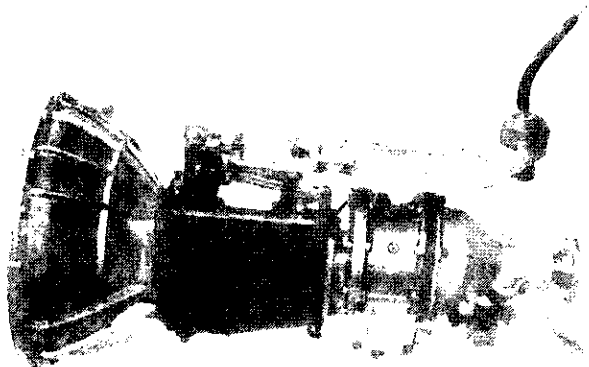
P.A. 82



F



G

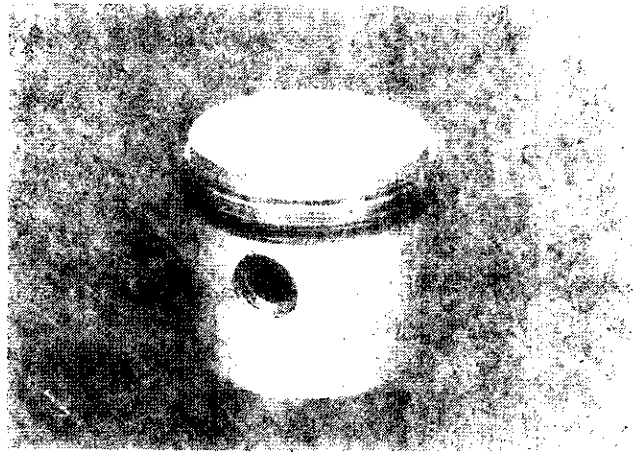
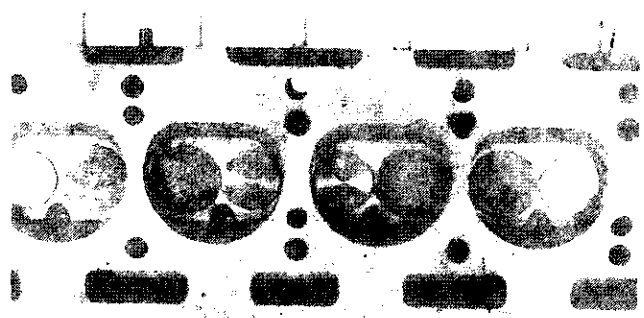
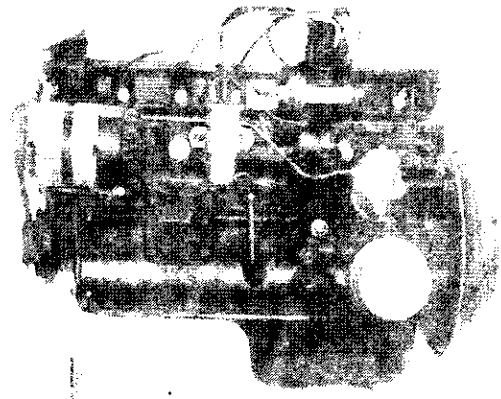
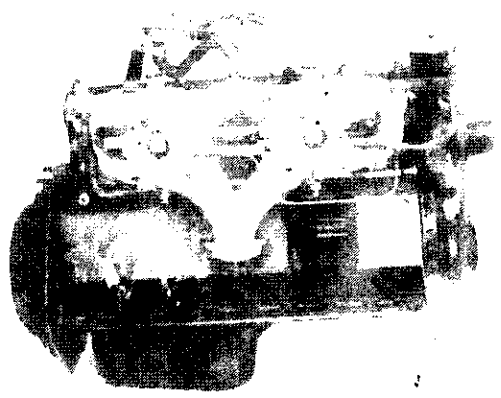


50.8mm O/D R.A. C.G.H.
(1.02mm)

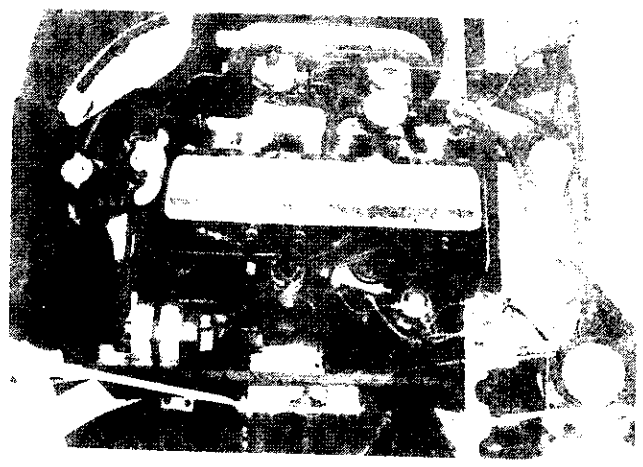
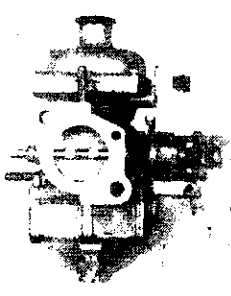
TRIUMPH

GT6 MKII

FLAKE



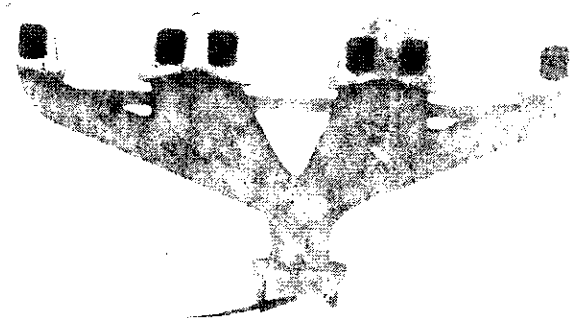
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O



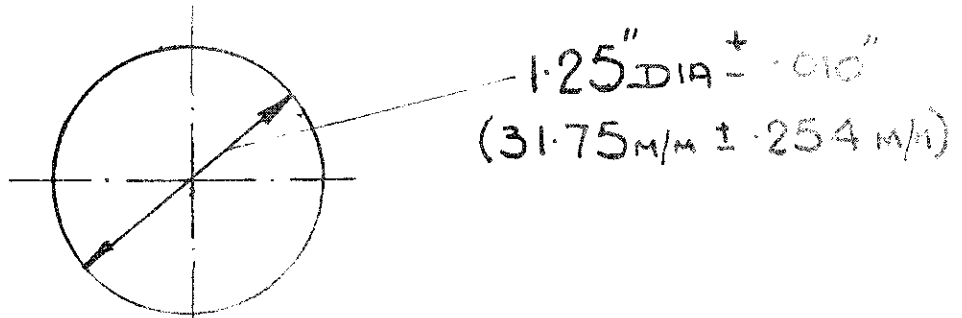
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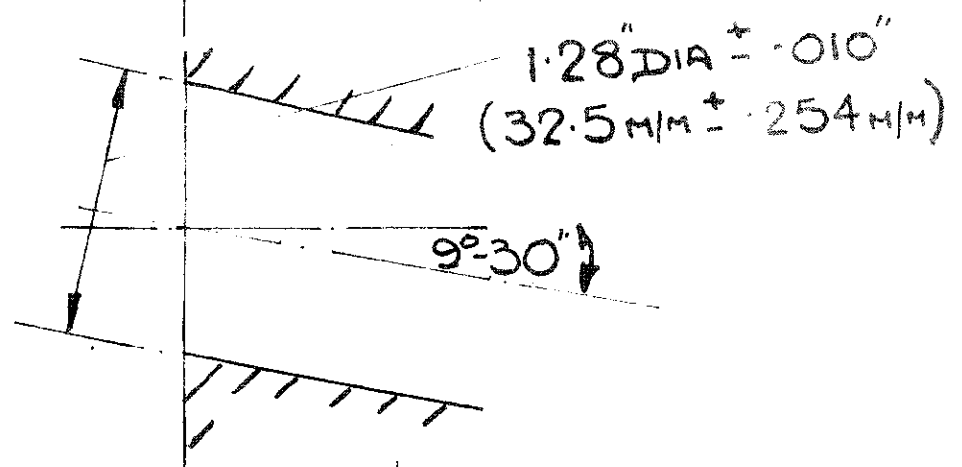
O

3 SINGLE EXIT. 2.03" DIA (51-56)
M/M

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

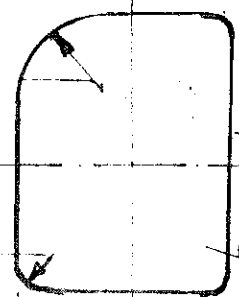


Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



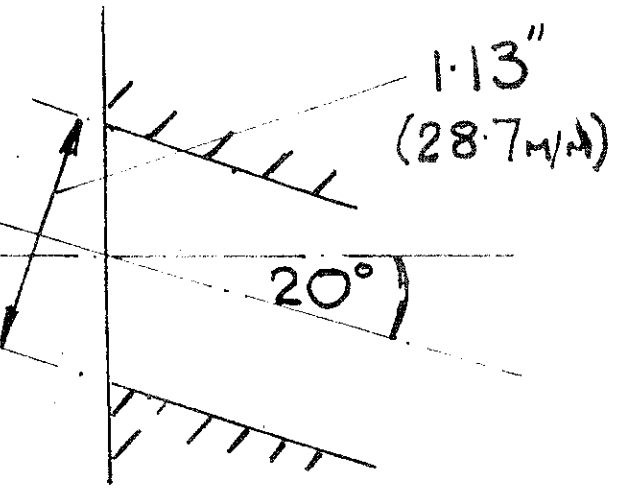
Drawing of exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

.30" R
(7.6 M/M)



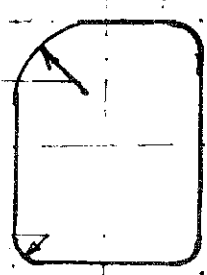
.13" R
(3.3 M/M)

.91
(23.1 M/M)



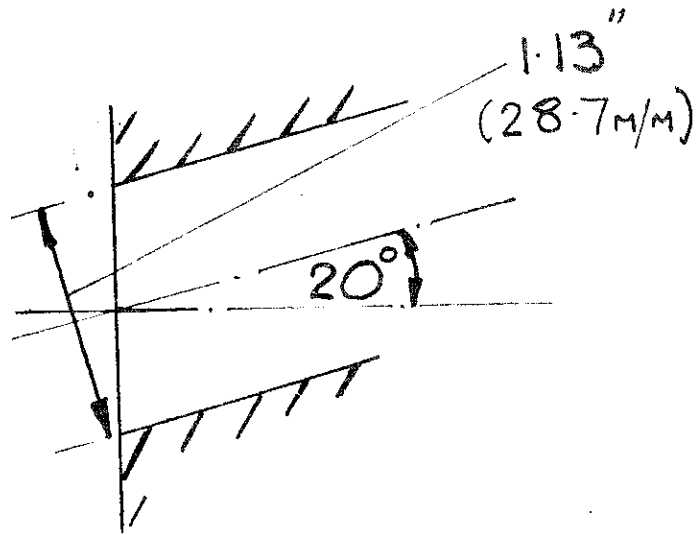
Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

.31" R
(7.87 M/M)

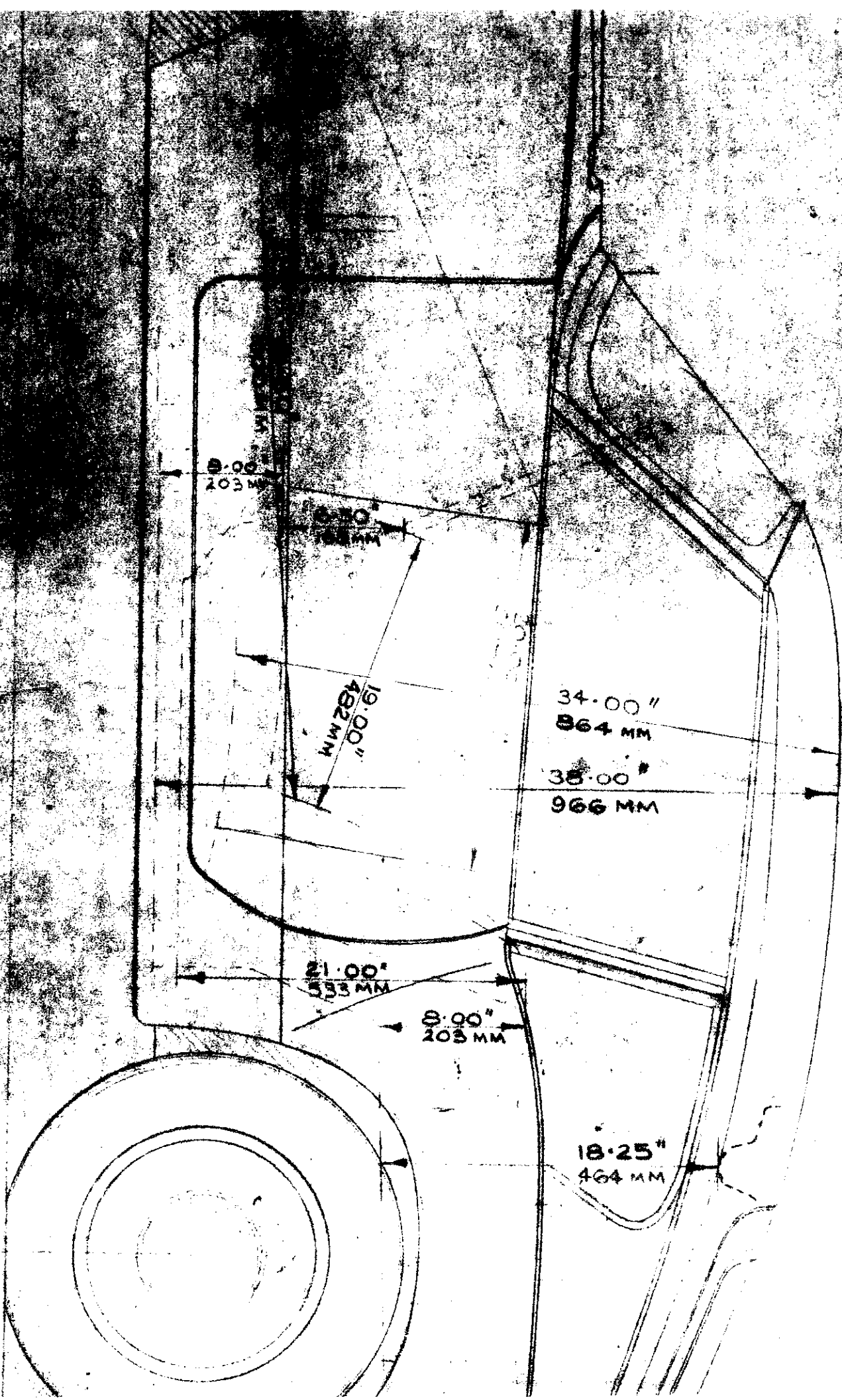


.13" R
(3.3 M/M)

.91
(23.1 M/M)



BASE



Make **TRIUMPH**

Model **GT 6 MK II**

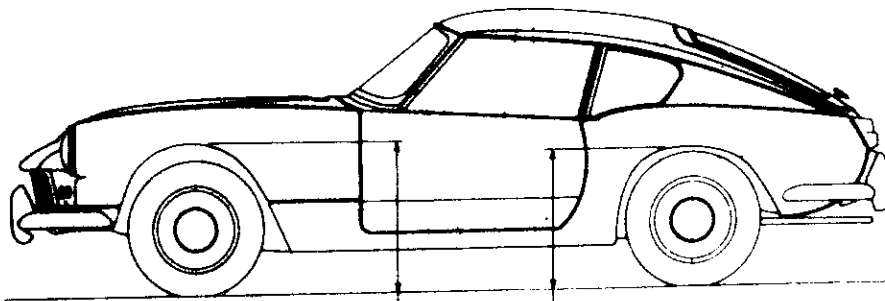
F.I.A. Rec. No.

NOTE 1.

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

CAPACITIES AND DIMENSIONS

- | | | |
|----------------|----------|-----------|
| 1. Wheelbase | 2110 mm. | 83 inches |
| 2. Front track | 1245 mm. | 49 inches |
| 3. Rear track | 1245 mm. | 49 inches |



WHEEL HEIGHTS

FRONT	REAR
24-75"	23-25"
62-86 CM.	59-64 CM.

ISS - 12 DVN/OP - 87-88

- | | | | |
|---|------------|-----------------|--------------------------------|
| 4. Overall length of the car | 373.4 cm. | 147 inches | |
| 5. Overall width of the car | 144.8 cm. | 57 inches | |
| 6. Overall height of the car | 119.5 cm. | 47 inches | |
| 7. Capacity of fuel tank (reserve included) | 44.3 ltrs. | 11.7 gall. U.S. | 9.75 gall. Imp. |
| 8. Seating Capacity. | 2 | | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools: | 871.5 kg. | 1922 lbs. | 17 cwt - 0 - 19 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. 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.

Make TRIUMPH

Model GT6MKII & GT6+ F.I.A. Rec. No.

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction: separate/~~unitary construction~~
- 21. Unitary construction, material(s) N.A.
- 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 & GLASS.
- 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 N.A.
- 31. Sliding system of door windows REMOTE WINDER.
- 32. Material(s) of rear-quarter light GLASS.

ACCESSORIES AND UPHOLSTERY

- 38. Interior heating : yes ~~XX~~
- 39. Air conditioning : ~~XX~~ no (P.V.C.)
- 40. Ventilation : yes ~~XX~~
- 41. Front seats, type of seat and upholstery SEPERATE.
- 42. Weight of front seat(s), complete with supports and rails, out of the car :
10.87 (EUR) 24 (EUR)
11.77 (USA) kg. 26 (USA) lbs.
- 43. Rear seats, type of seat and upholstery NA.
- 44. Front bumper, material(s) STEEL Weight 3.86 kg. 8.5 lbs.
- 45. Rear bumper, material(s) STEEL Weight 1.18 kg. 2.6 lbs. (PER SIDE)

WHEELS

- 50. Type STEEL DISC OR CENTRE LOCK WIRE.
- 51. Weight (per wheel, without tyre) 5.5 (DISC) 6.4 (WIRE) kg. 12 (D) 14 (W) lbs.
- 52. Method of attachment 4 NUT & STUD (DISC). CENTRE NUT (WIRE).
- 53. Rim diameter 330 mm. 13 ins. 54. Rim width 114 mm. 4.5 ins.

STEERING

- 60. Type RACK & PINION.
- 61. Servo-assistance : ~~XX~~ no
- 62. Number of turns of steering wheel from lock to lock 4 1/4
- 63. In case of servo-assistance N.A.

Make **TRIUMPH**

Model **GT6 MKII & GT6+** F.I.A. Rec. No.

SUSPENSION

- 70. Front suspension (photograph D), type **INDEPENDANT. 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 **INDEPENDANT. (LOWER WISHBONE)**
- 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 **PEDAL OPERATED HYDRAULIC.**
- 91. Servo-assistance (if fitted), type **—**
- 92. Number of hydraulic master cylinders **1**

	FRONT		1 REAR	
93. Number of cylinders per wheel		2		1
94. Bore of wheel cylinder(s)	mm.	inches	16 mm.	5/8 inches
95. Inside diameter	mm.	inches	203 mm.	8 inches
96. Length of brake linings	mm.	inches	394 mm.	15.5 inches
97. Width of brake linings	mm.	inches	32 mm.	1 1/4 inches
98. Number of shoes per brake			2	
99. Total area per brake	mm. ²	sq. in.	2260 mm. ²	19 sq. in.

Disc Brakes

100. Outside diameter	247 mm.	9.7 inches		
101. Thickness of disc	12.7 mm.	1/2 inches		
102. Length of brake linings	66.8 mm.	2 5/8 inches		
103. Width of brake linings	52.5 mm.	2 1/16 inches		
104. Number of pads per brake		2		
105. Total area per brake	6670 mm. ²	10.35 sq. in.		

ENGINE (photographs J and K)

- 30. Cycle **4 STROKE.**
- 31. Number of cylinders **6**
- 32. Cylinder Arrangement **IN LINE.**
- 33. Bore **74.7** mm. **2.94** in.
- 34. Stroke **76** mm. **2.992** in.
- 35. Capacity per cylinder **333** cm.³ **20.33** cu. in.
- 36. Total cylinder capacity **1998** cm.³ **122** cu. in.
- 37. Material(s) of cylinder block **CHROME IRON**
- 38. Material(s) of sleeves (if fitted) **-**
- 39. Cylinder head, material **CHROME IRON**
- Number fitted **1**
- 40. Number of inlet ports **6**
- 41. Number of exhaust ports **6**
- 42. Compression ratio **9.25:1**
- 43. Volume of one combustion chamber **33** cm.³ **2.03** cu. in.
- 44. Piston, material **ALUM ALLOY**
- 45. Number of rings **3**
- 46. Distance from gudgeon pin centre line to highest point of piston crown **38.1** mm. **1.5** in.
- 47. Crankshaft: ~~XXXX~~/stamped
- 48. Type of crankshaft: integral/~~XXXX~~
- 49. Number of crankshaft main bearings **4**
- 50. Material of bearing cap **CHROME IRON.**
- 51. System of lubrication: ~~XXXX~~/oil in sump
- 52. Capacity, lubricant **4.5** ltrs. **8** pts. **4.8** quarts U.S.
- 53. Oil cooler: yes/no **OPTIONAL.**
- 54. Method of engine cooling **WATER.**
- 55. Capacity of cooling system **6.2** ltrs. **11** pts. **6.6** quarts U.S.
- 56. Cooling fan (if fitted) dia. **31.7** cm. **12 1/2** in.
- 57. Number of blades of cooling fan **8.**

Bearings

- 158. Crankshaft main, type **SHELL** dia. **58.7** m.m. **2.311** in.
- 159. Connecting rod big end, type **SHELL.** dia. **47.7** m.m. **1.875** in.

Weights

- 160. Flywheel (clean) **8.18** kg. **18** lbs.
- 161. Flywheel with clutch (all turning parts) **14.1** kg. **31** lbs.
- 162. Crankshaft **25** kg. **50 1/2** lbs.
- 163. Connecting rod **68** kg. **1 1/2** lbs.
- 164. Piston with rings and pin **426** kg. **15ozs** ~~lbs.~~

Make **TRIUMPH**

Model **GT6MKIIAGT6+** F.I.A. Rec. No.

FOUR STROKE ENGINES

- 170. Number of camshafts **1**
- 171. Location **LEFT SIDE OF CYL BLOCK**
- 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 **ALUM ALLOY.**
- 181. Diameter of valves **36.8** mm. **1.443** ins.
- 182. Max. valve lift **8.53** mm. **336** in.
- 183. Number of valve springs **1**
- 184. Type of spring **COIL**
- 185. Number of valves per cylinder **1**
- 186. Tappet clearance for checking timing (cold) **382** mm. **.015** ins.
- 187. Valves open at (with tolerance for tappet clearance indicated) **25° B.T.D.C.**
- 188. Valves close at (with tolerance for tappet clearance indicated) **65° 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 **32** mm. **1.258** ins.
- 197. Max. valve lift **8.53** mm. **336** in.
- 198. Number of valve springs **1**
- 199. Type of spring **COIL**
- 200. Number of valves per cylinder **1**
- 201. Tappet clearance for checking timing (cold) **382** mm. **.015** ins.
- 202. Valves open at (with tolerance for tappet clearance indicated) **65° B.B.D.C.**
- 203. Valves close at (with tolerance for tappet clearance indicated) **25° A.T.D.C.**

CARBURETION (photograph N)

- 210. Number of carburetors fitted **2**
- 211. Type **SIDE DRAUGHT.**
- 212. Make **STROMBERG**
- 213. Model **150.C.D.**
- 214. Number of mixture passages per carburettor **1**
- 215. Flange hole diameter of exit port(s) of carburettor **38.1** mm. **1.5** ins.
- 216. Minimum diameter of venturi/minimum ~~dim.~~ **DIMENSION** with piston at maximum height (example: SU) **254.76** mm. **1.03** 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 **N.A.** mm. ins.

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

Make **TRIUMPH**

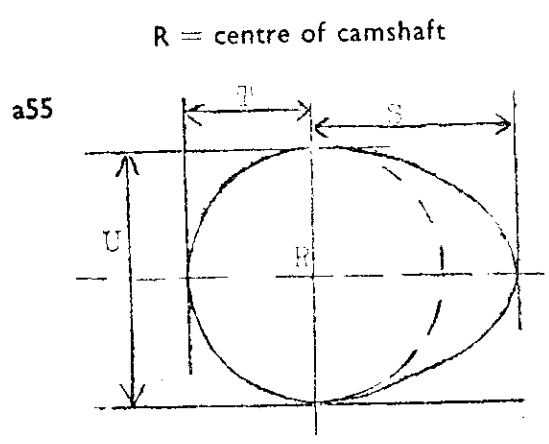
Model **GT6M II & GT6+** F.I.A. Rec. No.

ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~and distributor~~
- 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 : ~~XXXX~~/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

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

- 250. Max. engine output **104** (type of horsepower: **B.H.P. NET.**) at **5,300** r.p.m.
- 251. Max. r.p.m. **6500** output at that figure **NOT QUOTED.**
- 252. Max. torque **1400 LB. IN.** at **3000** r.p.m.
- 253. Max. speed of the car **177** km./hour **110** miles/hour



<u>Inlet cam</u>		
S =	19.7	mm. 774 inches
T =	13.7	mm. 540 inches
U =	27.2	mm. 1.080 inches
<u>Exhaust cam</u>		
S =	19.7	mm. 774 inches
T =	13.7	mm. 540 inches
U =	27.2	mm. 1.080 inches

Make **TRIUMPH**

Model **GT.6MKII & GT6+** F.I.A. Rec. No.

DRIVE TRAIN

CLUTCH

- 160. Type of clutch **DIAPHRAGM.**
- 261. No. of plates **1**
- 162. Dia. of clutch plates **21.6** cm. **8.5** ins.
- 163. Dia. of linings, inside **14.2** cm. **5.75** ins.
- outside **21.4** cm. **8.44** ins.
- 164. 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 TUNNEL**
- 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	$\frac{26}{19} \times \frac{29}{15}$						
2	1.78	$\frac{26}{19} \times \frac{26}{20}$						
3	1.25	$\frac{26}{19} \times \frac{22}{24}$						
4	1.00	DIRECT						
5								
6								
reverse	3.10	$\frac{26}{19} \times \frac{34}{15}$						

- 278. Overdrive, type **LAYCOCK D. TYPE (ELECTRICALLY OPERATED)**
- 279. Forward gears on which overdrive can be selected **3rd & 4th**
- 280. Overdrive ratio **802 : 1**

FINAL DRIVE

- 290. Type of final drive **HYPOID.**
- 291. Type of differential **SPUR BEVEL**
- 292. Type of limited slip differential (if fitted)
- 293. Final drive ratio **3.27 & 3.89** Number of teeth **11/36 & 9/35.**

ke TRIUMPH

Model GT6NIIA ST6 F.I.A. Rec. No.

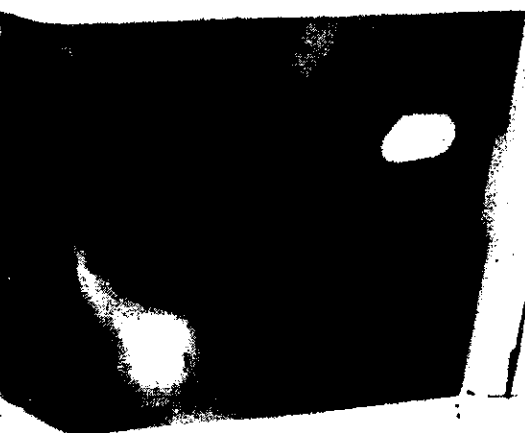
IMPORTANT—The conformity of the car with the following items of the present recognition form is to be regarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand touring cars) : 41, 72, 90, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 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, 100, 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.

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

Information. This to be stated together with reference number.



22"

(55.88cms)

23.75"
(6033cms)

SKID SHIELD ASSY N° 306133
MATERIAL MILD STEEL · 104(264)
WEIGHT 14½ LBS - (6580gms)

NON OVERDRIVE G.Box
DET N° 515449



TRIUMPH.....

Model GT6 MK II & GT6+

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

OPTIONAL REAR AXLE RATIOS.

11:1 N° TEETH 9x37.
 375:1 N° TEETH 8x35.
 55:1 N° TEETH 9x41

DET N° 516274
 DET N° 211222/3
 DET N° 516275.

