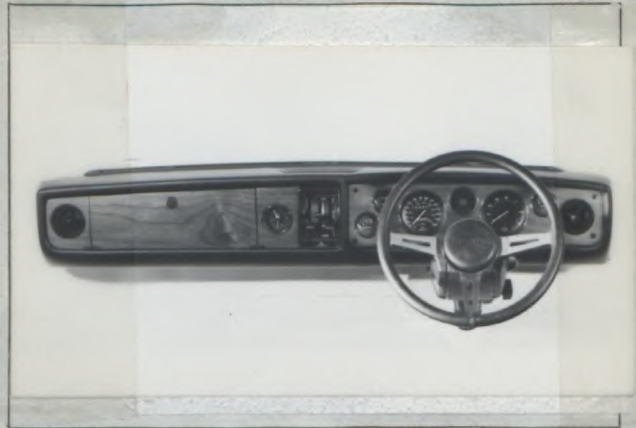


B



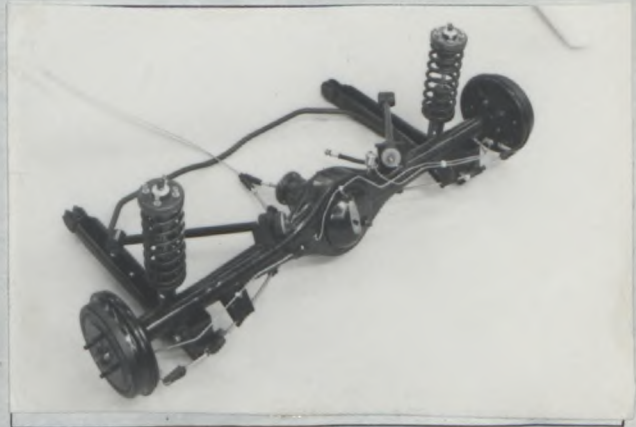
C



D



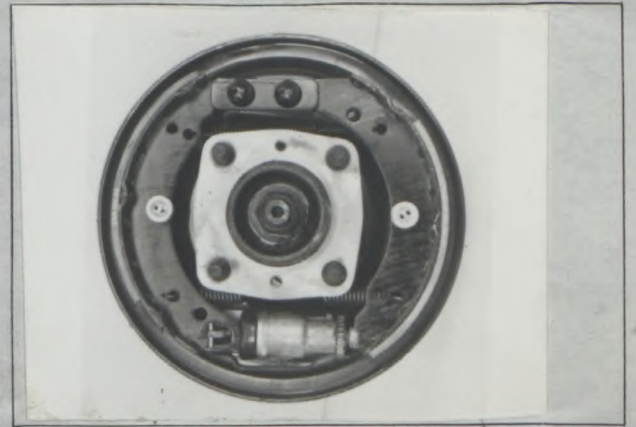
E



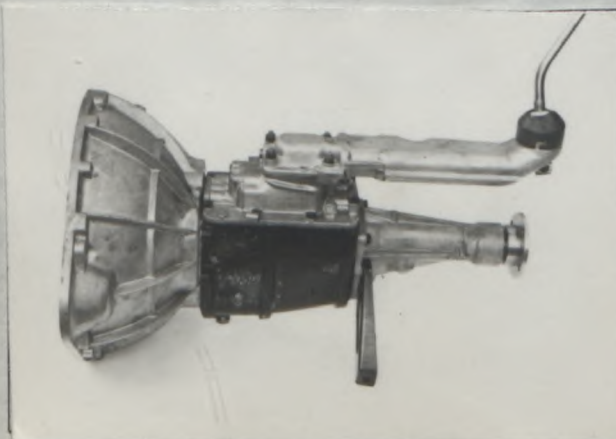
F



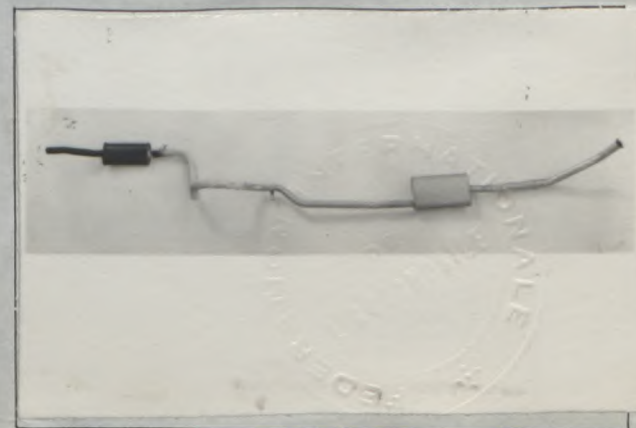
G



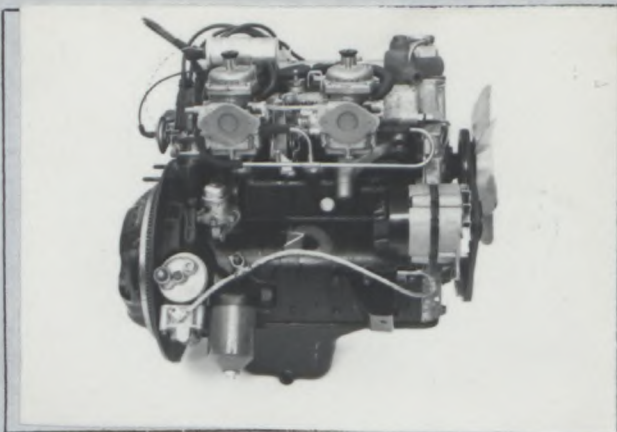
H



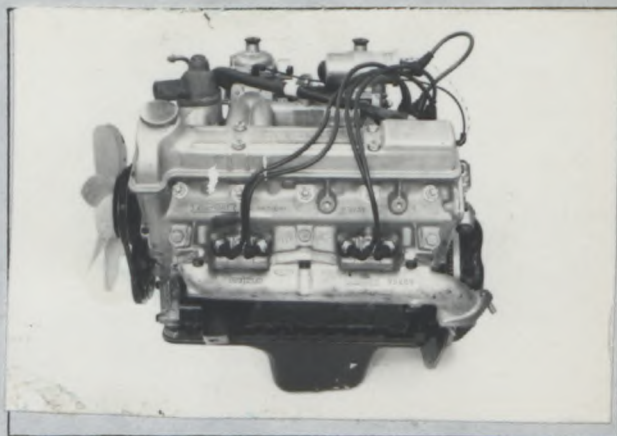
I



J



K



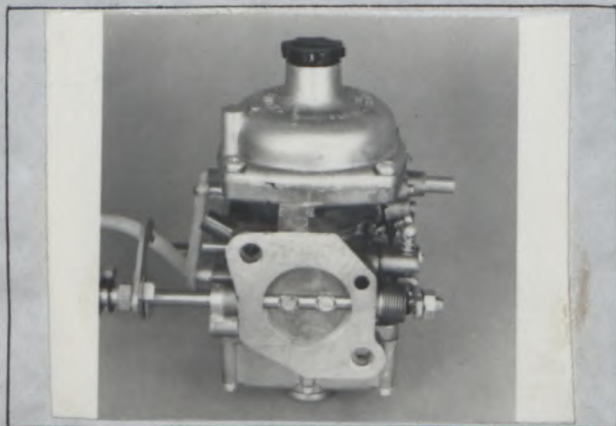
L



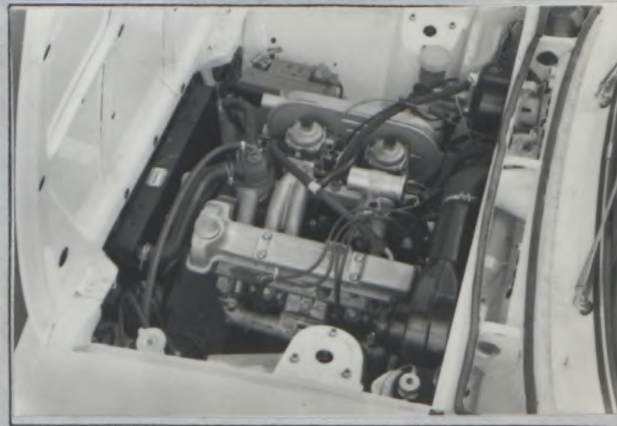
M



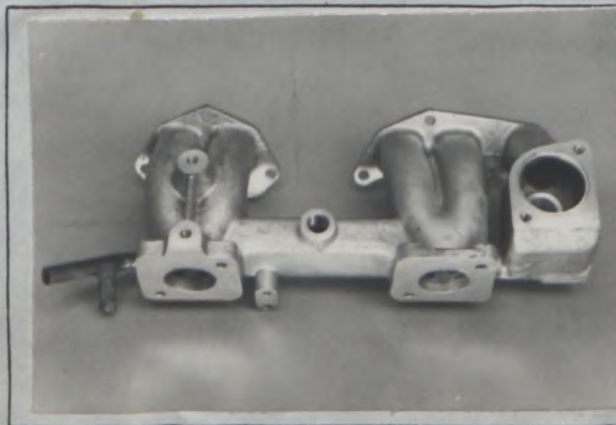
N



O



P



Q



Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE

F.I.A. Rec. No.

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

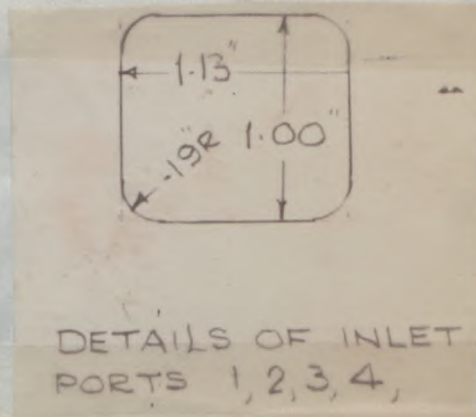
see attached drawing



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

scale - full size
tolerance $\pm .010$ "

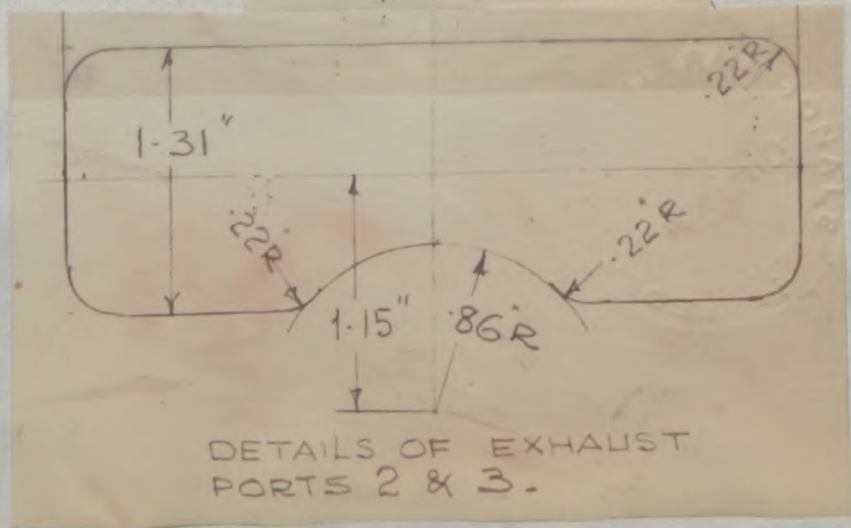
see attached drawing



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

scale - full size
tolerance $\pm .010$ "

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



Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE

F.I.A. Rec. No.

FISA - Transfert en Gr.A

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction ~~separate~~/unitary construction
- 21. Unitary construction, material(s) steel
- 22. Separate construction, Material(s) of chassis "
- 23. Material(s) of coachwork "
- 24. Number of doors 4 Material(s) "
- 25. Material(s) of bonnet "
- 26. Material(s) of boot lid "
- 27. Material(s) of rear-window toughened safety glass
- 28. Material(s) of windscreen Zebra Zone " " "
- 29. Material(s) of front-door windows " " "
- 30. Material(s) of rear-door windows " " "
- 31. Sliding system of door windows Regulator handles
- 32. Material(s) of rear-quarter light Toughened safety glass.

ACCESSORIES AND UPHOLSTERY

- 38. Interior heating : yes — ~~no~~
- 39. Air conditioning : ~~yes~~ — no individual
- 40. Ventilation : yes — ~~no~~
- 41. Front seats, type of seat and upholstery exp. vinyl leathercloth, B/Nylon seat & squab facings.
- 42. Weight of front seat(s), complete with supports and rails, out of the car : each seat 13.6 kg. 30 lbs.
- 43. Rear seats, type of seat and upholstery Divan, exp. vinyl leathercloth, B/Nylon seat and squab facings.
- 44. Front bumper, material(s) steel Weight 7 kg. 15.5 lbs.
- 45. Rear bumper, material(s) " Weight 6.1 kg. 13.5 lbs.

WHEELS

- 50. Type steel disc type
- 51. Weight (per wheel, without tyre) 6.1 kg. 13.5 lbs.
- 52. Method of attachment 4 X 3/8" UNF studs & dome nuts
- 53. Rim diameter 330.2mm. 13 ins. 54. Rim width 114.3 mm. 4 1/2 ins.

STEERING

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

Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE

F.I.A. Rec. No.

FISA - Transfert en Gr.A

SUSPENSION

- 70. Front suspension (photograph D), type Independent - upper wishbones
- 71. Type of spring coil
- 72. Stabiliser (if fitted) anti roll bar
- 73. Number of shock absorbers 2
- 74. Type telescopic hydraulic
- 78. Rear suspension (photograph E), type 4 link system - live tubular beam axle
- 79. Type of spring coil
- 80. Stabiliser (if fitted) anti roll bar
- 81. Number of shock absorbers 2
- 82. Type telescopic hydraulic

BRAKES (photographs F and G)

- 90. Method of operation Hydraulic - service brakes. Cable-parking brake on rear wheels.
- 91. Servo-assistance (if fitted), type Direct acting Girling, type 38, servo vac.
- 92. Number of hydraulic master cylinders 1 (tandem master cylinder when divided brake system)

| | F. 2 | R. 1 | FRONT | REAR |
|-----------------------------------|------|------|------------------|--------------------|
| 93. Number of cylinders per wheel | 2 | 1 | | |
| 94. Bore of wheel cylinder(s) | 40.5 | | mm. 1.893 inches | 17.8 mm. 70 inches |

Drum Brakes

| | | | |
|-------------------------------|------------------|---------|-------------------------------------|
| 95. Inside diameter | mm. | inches | 203.2 mm. 8.0 inches |
| 96. Length of brake linings | mm. | inches | 160.2 mm. 6.30 inches |
| 97. Width of brake linings | mm. | inches | 38.1 mm. 1.5 inches |
| 98. Number of shoes per brake | | | 2 |
| 99. Total area per brake | mm. ² | sq. in. | 17860 mm. ² 27.7 sq. in. |

Disc Brakes

| | | | | |
|-------------------------------|------|-------------------------------|------------------|---------|
| 100. Outside diameter | 222 | mm. 8.75 inches | mm. | inches |
| 101. Thickness of disc | 9.5 | mm. .375 inches | mm. | inches |
| 102. Length of brake linings | 60.4 | mm. 2.375 inches | mm. | inches |
| 103. Width of brake linings | 47.7 | mm. 1.88 inches | mm. | inches |
| 104. Number of pads per brake | 2 | | | |
| 105. Total area per brake | 5610 | mm. ² 28.7 sq. in. | mm. ² | sq. in. |

Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE F.I.A. Rec. No.

FISA - Transfert en Gr.A

ENGINE (photographs J and K)

- 130. Cycle 4
- 131. Number of cylinders 4
- 132. Cylinder Arrangement in line - inclined 45°
- 133. Bore 87 mm. 3.425 in.
- 134. Stroke 78 mm. 3.071 in.
- 135. Capacity per cylinder 463.5 cm.³ 28.3 cu. in.
- 136. Total cylinder capacity 1854 cm.³ 113.2 cu. in.
- 137. Material(s) of cylinder block chromium iron
- 138. Material(s) of sleeves (if fitted)
- 139. Cylinder head, material(s) aluminium alloy Number fitted 1
- 140. Number of inlet ports 4
- 141. Number of exhaust ports 4
- 142. Compression ratio 9.0:1
- 143. Volume of one combustion chamber 37.7 cm.³ 2.3 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 34 mm. 1.34 in.
- 147. Crankshaft: ~~XXXXX~~/stamped
- 148. Type of crankshaft: integral/.....YES...
- 149. Number of crankshaft main bearings 5
- 150. Material of bearing cap chromium 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~~ optl. equipment
- 154. Method of engine cooling "water - no loss" pressurised system, thermostatically controlled flow.
- 155. Capacity of cooling system 5.4 ltrs. 9.5 pts. 5.7 quarts U.S.
- 156. Cooling fan (if fitted) dia. 29.2 cm. 11½ in.
- 157. Number of blades of cooling fan 7

Bearings

- 158. Crankshaft main, type steel backed shells overlaid copper lead/ dia. 54,2 m.m. 2.129 in. in-side
- 159. Connecting rod big end, type steel backed shells, overlaid copper lead/lead bronze dia. 44.5 m.m. 1.752 in. dia.

Weights

- 160. Flywheel (clean) 9.98 ~~kg~~ 22 ~~lbs~~
- 161. Flywheel with clutch (all turning parts) 15.65 ~~kg~~ ~~lbs~~ 34.5 ~~lbs~~
- 162. Crankshaft ~~12,34~~ kg. 27,2 ~~lbs~~
- 163. Connecting rod ~~0,73~~ kg. 1,6 ~~lbs~~
- 164. Piston with rings and pin 0.58 kg. 1.28 lbs.

Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE F.I.A. Rec. No.

FISA - Transfert en Gr.A

FOUR STROKE ENGINES

170. Number of camshafts 1
171. Location overhead
172. Type of camshaft drive chain
173. Type of valve operation direct - through inverted bucket type tappets

INLET (see page 4)*

180. Material(s) of inlet manifold aluminium alloy
181. Diameter of valves 36.6 mm. 1.44 ins.
182. Max. valve lift 9.2 mm. .363 in. 183. Number of valve springs 4 - 1 per valve.
184. Type of spring helical compression 185. Number of valves per cylinder 1
186. Tappet clearance for checking timing (cold/warm) .381 mm. .015 ins.
187. Valves open at (with tolerance for tappet clearance indicated) 16 BTDC)
188. Valves close at (with tolerance for tappet clearance indicated) 56 ABDC) .24 mm .008"
189. Air filter, type replaceable paper element

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold cast iron
196. Diameter of valves 32.5 mm. 1.28 ins.
197. Max. valve lift 9.2 mm. .363 in. 198. Number of valve springs 4 - 1 per valve.
199. Type of spring helical compression 200. Number of valves per cylinder 1
201. Tappet clearance for checking timing (cold/warm) .51 mm. .020 ins.
202. Valves open at (with tolerance for tappet clearance indicated) 56 BBDC) .45mm .018
203. Valves close at (with tolerance for tappet clearance indicated) 16 ATDC)
204. Diameter outlet orifice exhaust manifold 41.4 mm. 1.63 ins.

CARBURETION (photograph N)

210. Number of carburettors fitted 2 211. Type side draught
212. Make Stromberg 213. Model 150 CDS (E) V
214. Number of mixture passages per carburettor 3
215. Flange hole diameter of exit port(s) of carburettor 38.1 mm. 1.50 ins.
216. ~~Minimum diameter of venturi~~ / minimum diam. with piston at maximum height (example : SU)
dimension 25.476 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 mm. ins.

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

Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE

F.I.A. Rec. No.

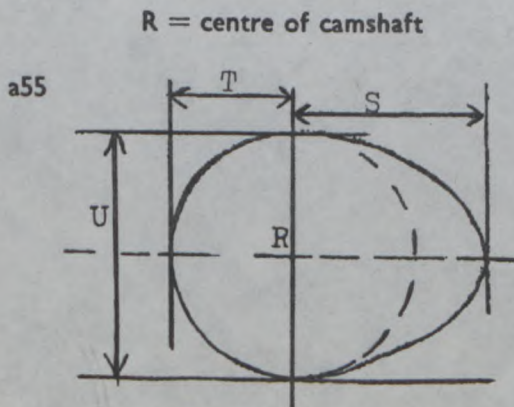
FISA - Transfert en Gr.A

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

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

- 250. Max. engine output 91 nett (type of horsepower: BHP) at 5200 r.p.m.
- 251. Max. r.p.m. 6000 output at that figure 80 BHP nett
- 252. Max. torque 1260 lbs. ins. nett at 3500 r.p.m.
- 253. Max. speed of the car 161 km./hour 100 miles/hour



Inlet cam

| | | | | |
|-----|------|-----|-------|--------|
| S = | 39.8 | mm. | 1.565 | inches |
| T = | 15 | mm. | 0.594 | inches |
| U = | 30 | mm. | 1.187 | inches |

Exhaust cam

| | | | | |
|-----|----|-----|-------|--------|
| S = | 40 | mm. | 1.570 | inches |
| T = | 15 | mm. | 0.594 | inches |
| U = | 30 | mm. | 1.187 | inches |

Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE

F.I.A. Rec. No.

FISA - Transfert en Gr.A

DRIVE TRAIN

CLUTCH

260. Type of clutch dry plate, diaphragm spring 261. No. of plates 1
262. Dia. of clutch plates 21.6 cm. 8.50 ins.
263. Dia. of linings, inside 14.6 cm. 5.75 ins.
- outside 21.6 cm. 8.50 ins.
264. Method of operating clutch hydraulically operated release mechanism

GEAR BOX (photograph H)

270. Manual type, make Triumph Motor Co Method of operation remote control gear lever
271. No. of gear-box ratios forward 4 272. Synchronized forward ratios 4
273. Location of gear-shift centrally mounted in floor behind gearbox

- optl. equip-ment (274. Automatic, make Borg-Warner type 65 Centrally mounted in floor behind gearbox
- (275. No. of forward ratios 3 276. Location of gear shift Centrally mounted in floor behind gearbox

| 277. | Manual | | Automatic | | Alternative manual/automatic | | | |
|---------|--------|--------------------------------------|-----------|-----------|------------------------------|-----------|-------|-----------|
| | Ratio | No. teeth | Ratio | No. teeth | Ratio | No. teeth | Ratio | No. teeth |
| 1 | 2.65 | $\frac{26}{19} \times \frac{29}{15}$ | 2.39 | 4.57 | | | | |
| 2 | 1.78 | $\frac{26}{19} \times \frac{26}{20}$ | 1.45 | 2.77 | | | | |
| 3 | 1.25 | $\frac{26}{19} \times \frac{22}{24}$ | 1.00 | 1.91 | | | | |
| 4 | 1.00 | | | | | | | |
| 5 | - | | | | | | | |
| 6 | - | | | | | | | |
| reverse | 3.01 | $\frac{26}{19} \times \frac{33}{15}$ | 2.09 | 3.99 | | | | |

278. Overdrive, type N/A
279. Forward gears on which overdrive can be selected -
280. Overdrive ratio -

FINAL DRIVE

290. Type of final drive hypoid bevel gears 291. Type of differential 2 pinion
292. Type of limited slip differential (if fitted in series-production) -
293. Final drive ratio 3.63:1 4.1:1 Number of teeth 40/11 and 37/9
- when auto transmission fitted 3.27:1 11 " " " 36/11

IMPORTANT :

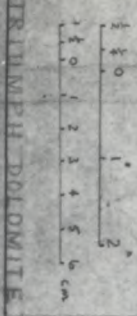
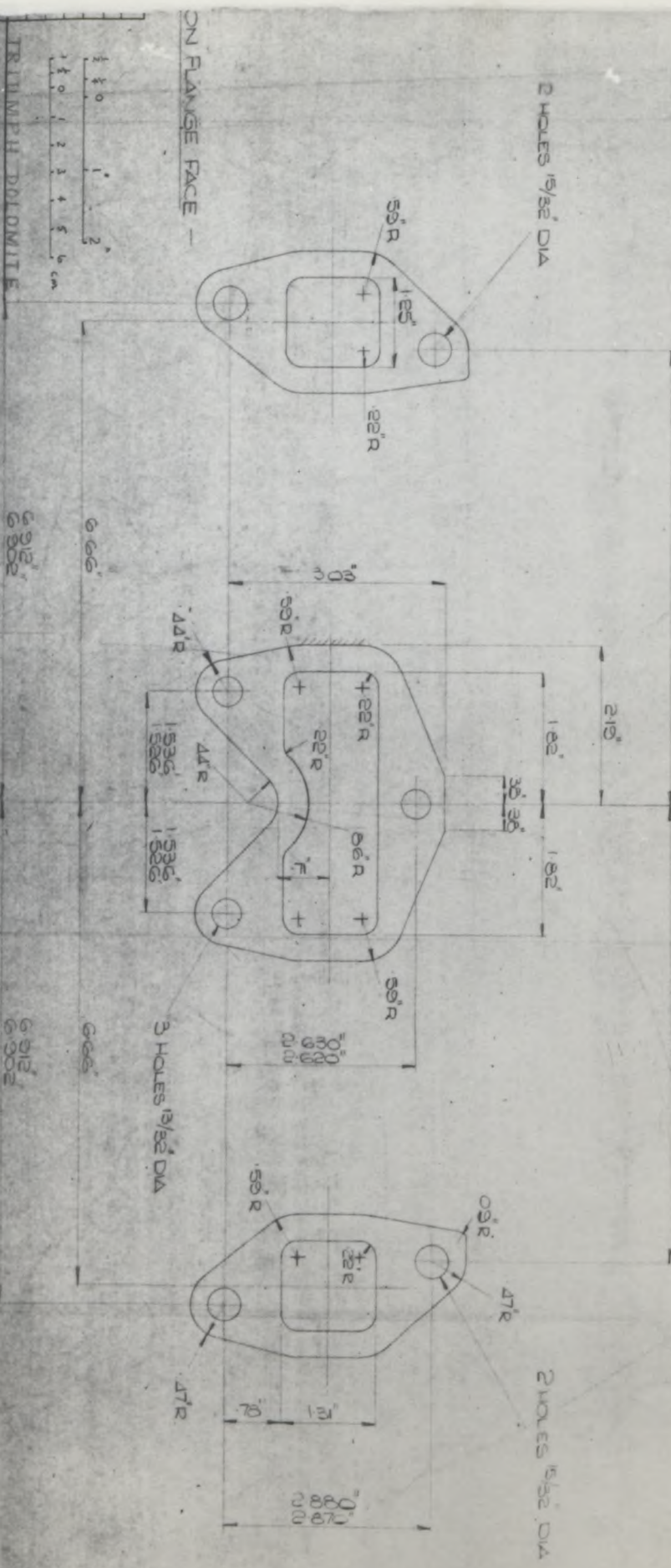
During the scrutineering of cars entered in group 5 (Sportscars) only the following items of the present recognition form are to be taken into consideration : 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 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..... |
| 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.

ON FLANGE FACE -



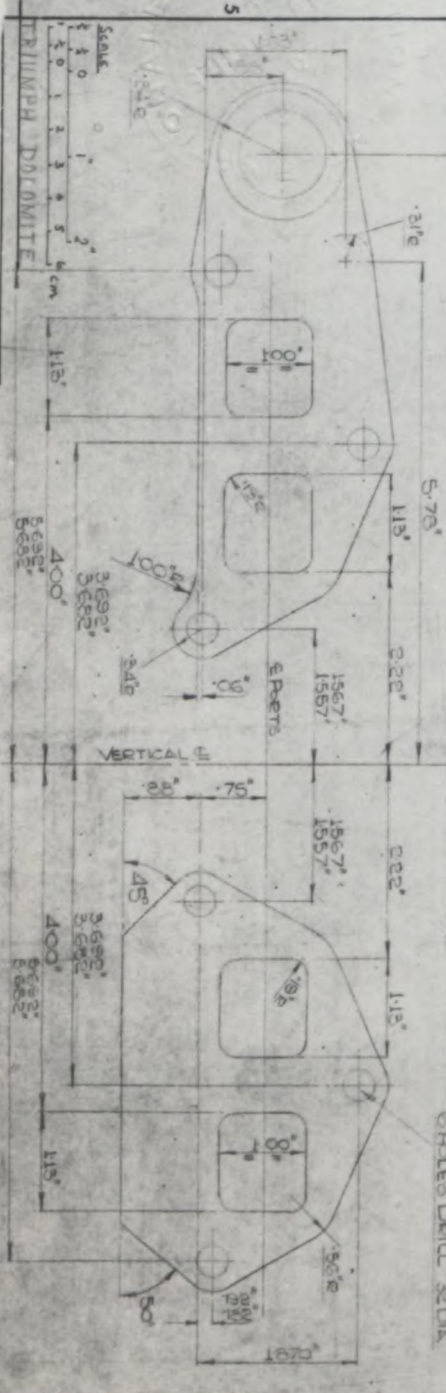
TRIUMPH DOLomite

TRIUMPH MOTOR
COMPANY
LIMITED

REF. PAGE 4-1 DRAWING OF INLET MANIFOLD PORTS - SCALE FULL SIZE

TOLERANCE WHERE NOT STATED ± .010"

CHORES DRILL 3/32 DIA



TRIUMPH DOLomite

FTSA - Transfert en Gr.A

