F.I.A. Recognition No. 5477

Group 1

FISA - Transfert en G...

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 1854 cm.³ 113.2 in.³

Manufacturer BRITISH LEYLAND CO. LTD.

Model TRIUMPH DOLOMITE

Serial No. of chassis/body WF1DL or LDL onwards.

Manufacturer BRITISH LEYLAND CO. LTD.

Serial No. of engine WF1H or LE onwards.

Manufacturer BRITISH LEYLAND CO. LTD.

Recognition is valid from

List

The manufacturing of the model described in this recognition form started on 1st September 19 71 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on 10th April 19 72

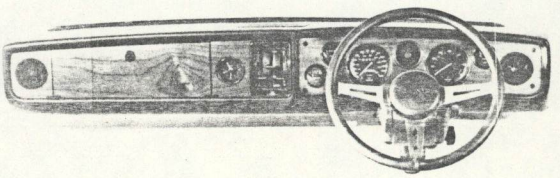
Photograph A. ¾ view of car from front

F.I.A. Stamp

R.A.C. Stamp

B

C



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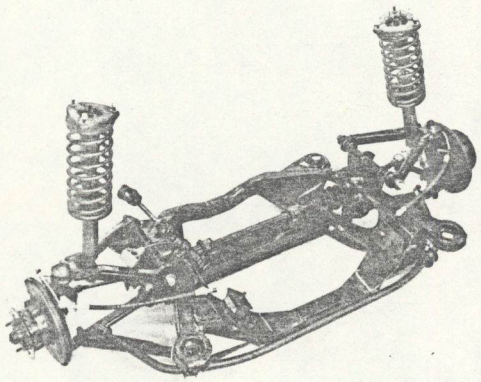

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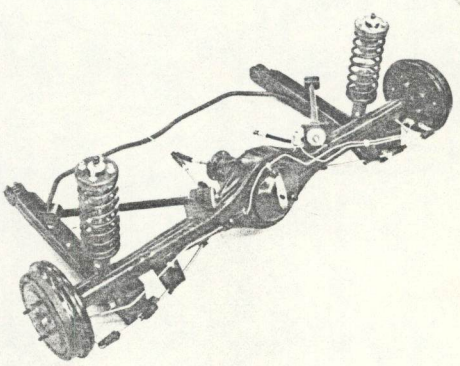

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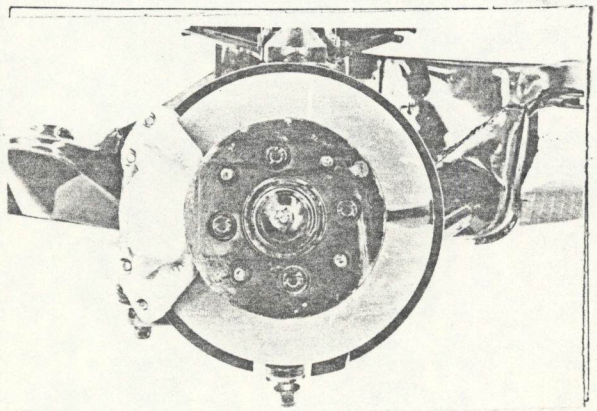

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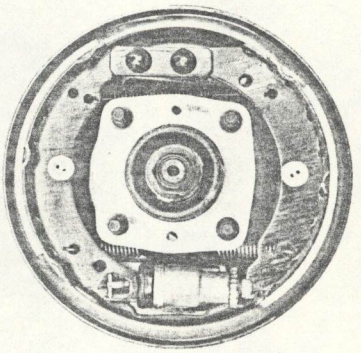

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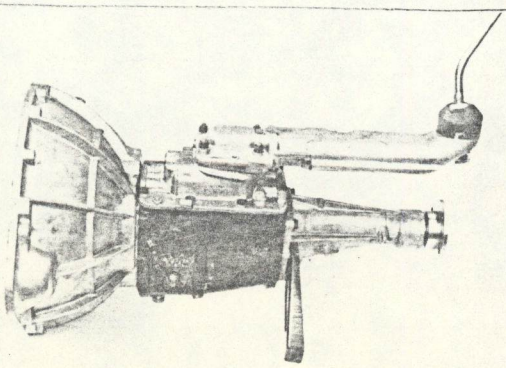

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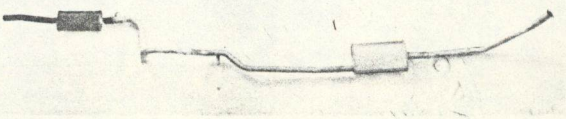

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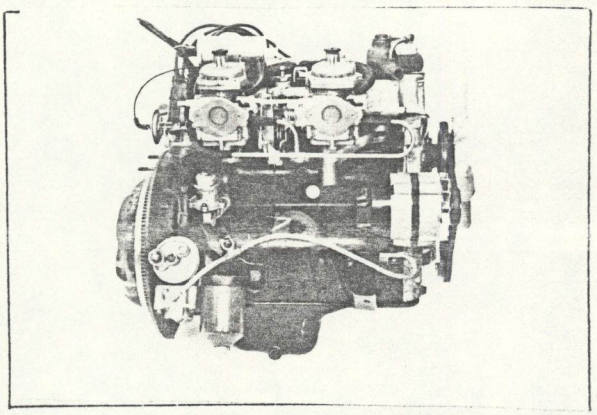

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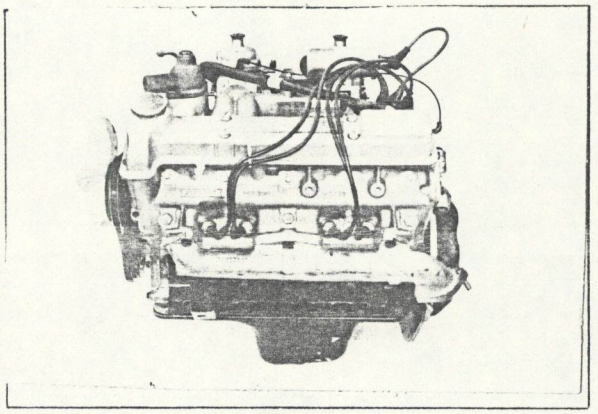

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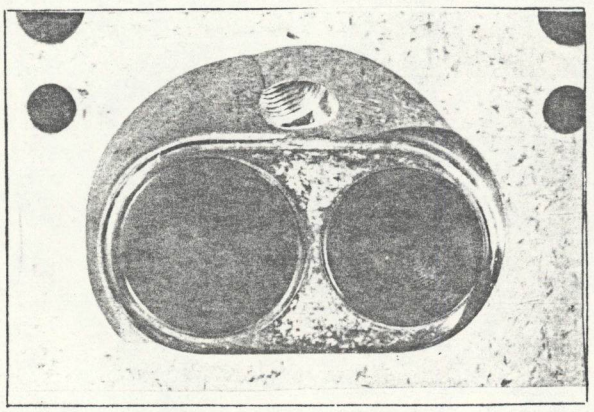

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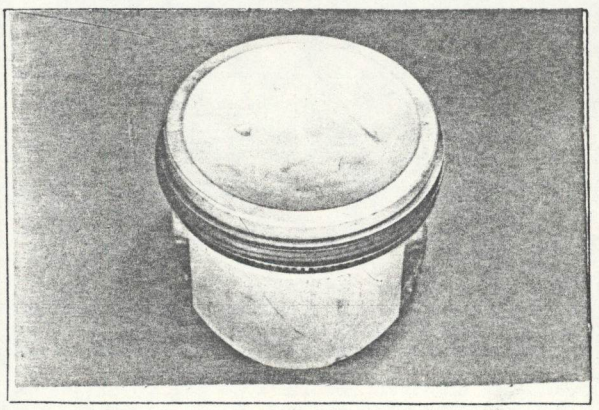

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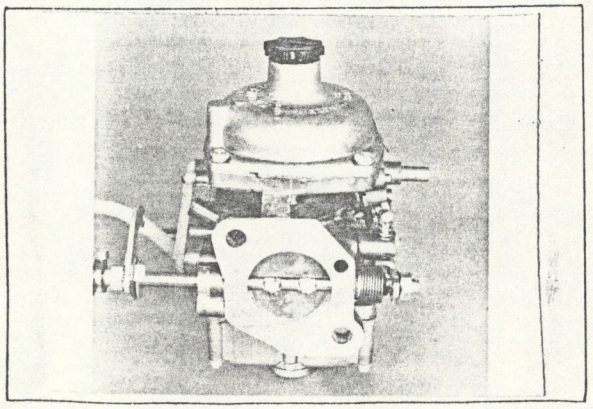

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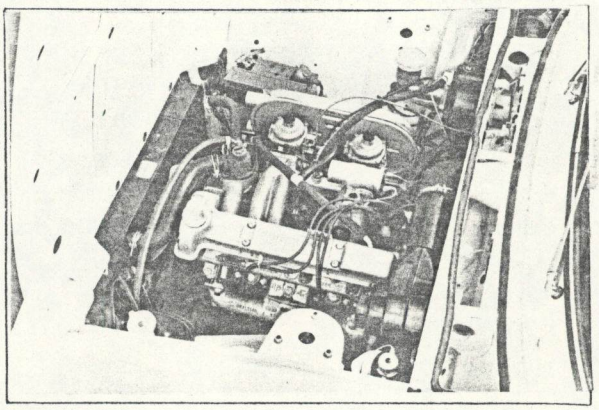

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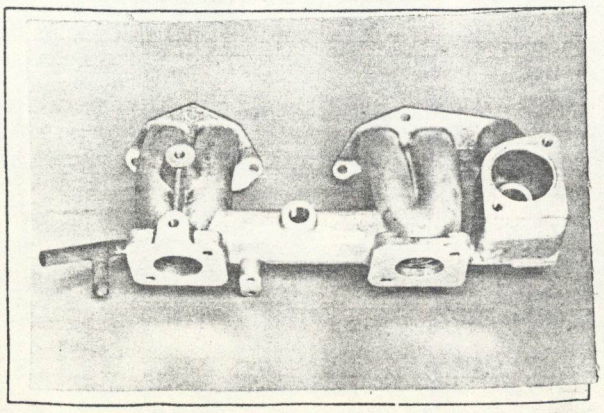

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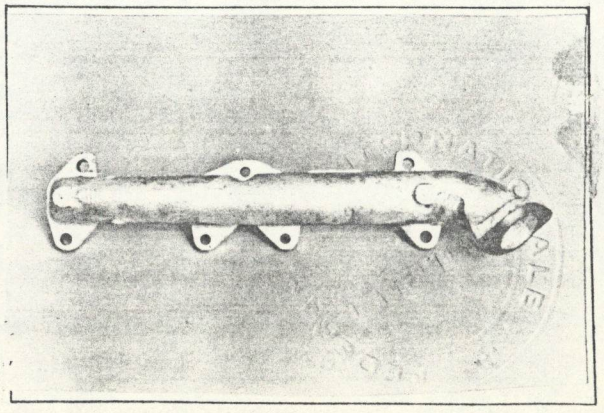
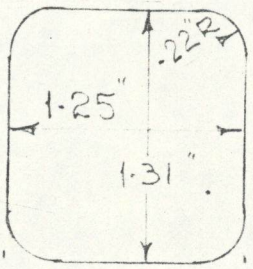


Make BRITISH LEYLAND Model TRIUMPH DOLOMITE F.I.A. Rec. No.....

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

see attached drawing



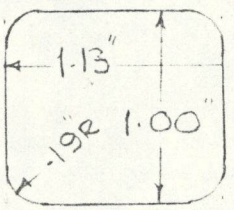
DETAILS OF EXHAUST PORTS 1 & 4

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

scale - full size
tolerance +- .010"

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

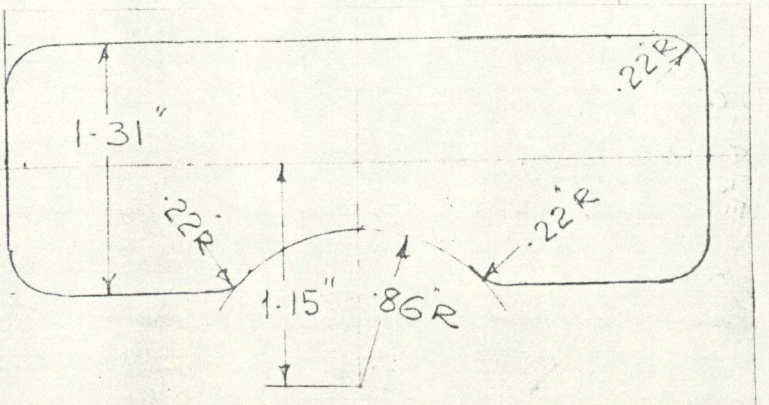
see attached drawing



DETAILS OF INLET PORTS 1, 2, 3, 4,

scale - full siz
tolerance +- .01

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



DETAILS OF EXHAUST PORTS 2 & 3.

Make BRITISH LEYLAND Model TRIUMPH DOLOMITE F.I.A. Rec. No.....

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NOTE 1.

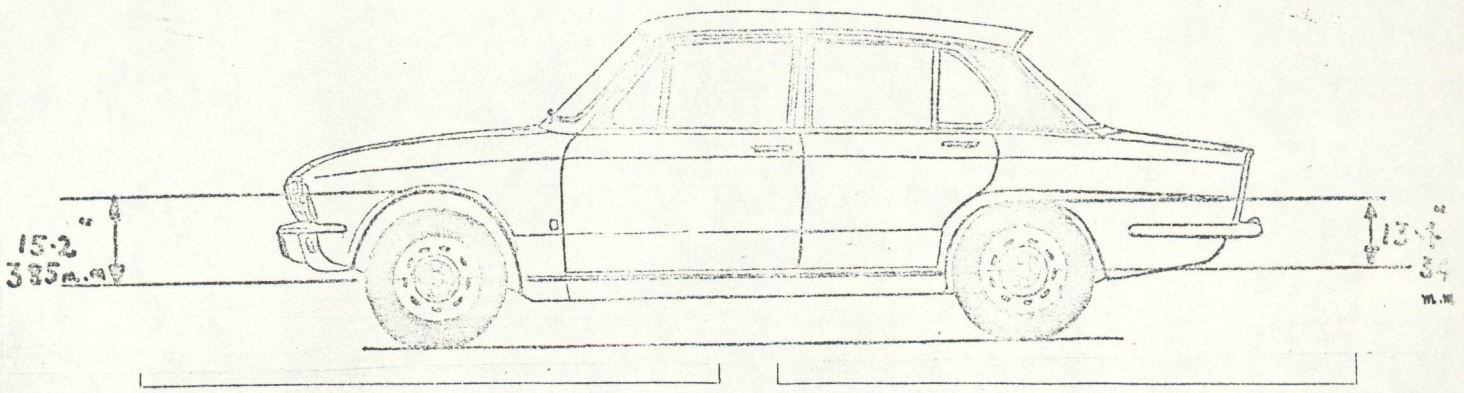
All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

1. Wheelbase 2454 mm. 96.6 inches

2. Front track 1353 mm. 53.2 inches

3. Rear track 1270 mm. 50 inches



4. Overall length of the car 411.5cm. 162 inches

5a " width of car @ axle of front wheels 155.6cm 61.25 inches

5b 5. Overall width of the car " " " " rear " 156.8cm. 61.75 inches

6. Overall height of the car 150.0cm 59.0 inches
137.2cm. 54.0 inches

7. Capacity of fuel tank (reserve included)

57.0 ltrs. 15 gall. U.S. 12.5 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 :

922 kg. 2030 lbs. 18.15 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.

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
40. Ventilation : yes — ~~no~~
41. Front seats, type of seat and upholstery individual 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

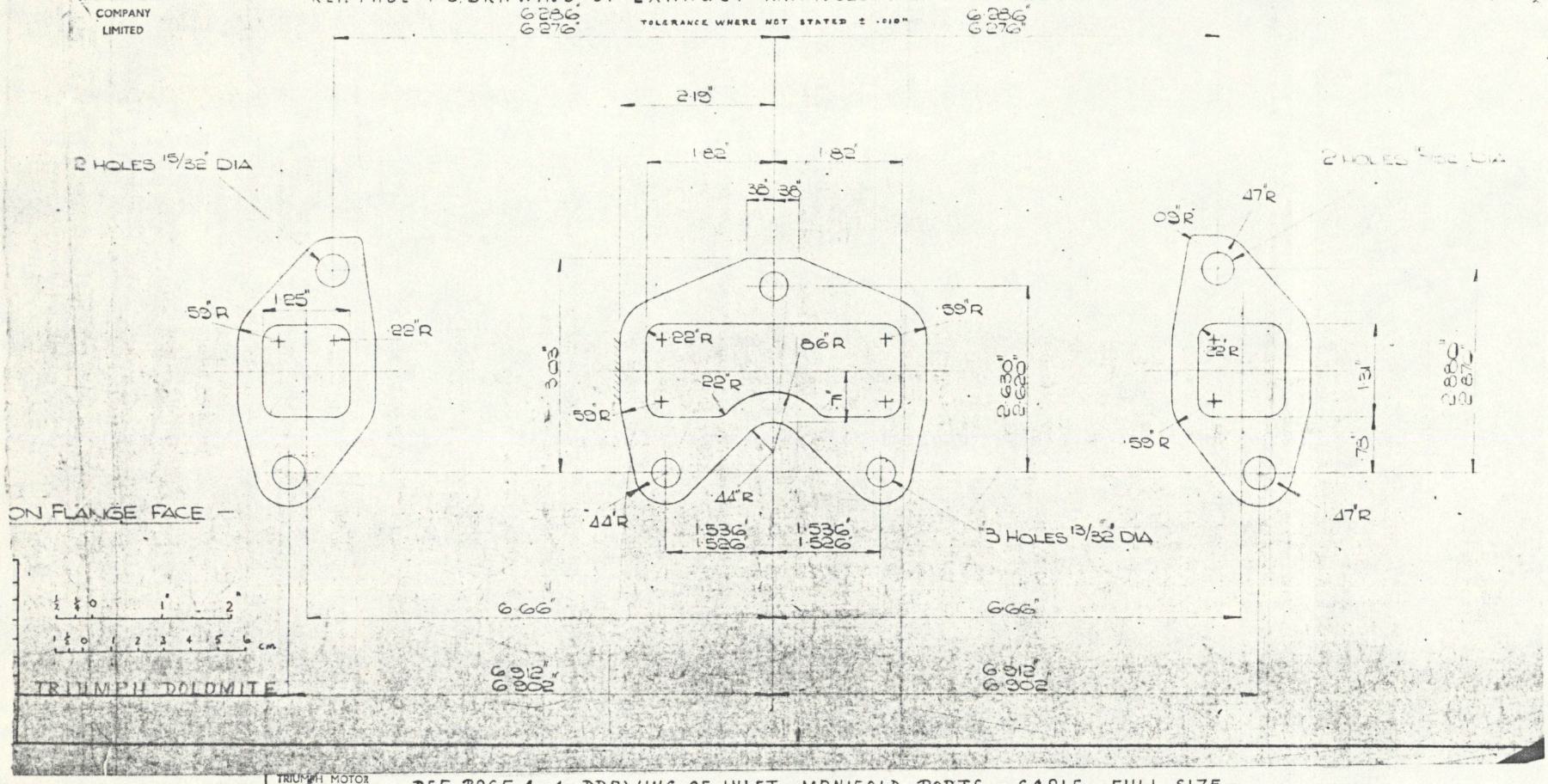
50. Type steel disc type
51. Weight (per wheel, without tyre) 6.1 kg. 13.5 lbs.
52. Method of attachment 4 X 3/8" UNF studs & dome nuts
53. Rim diameter 330.2mm. 13 ins. 54. Rim width 114.3 mm. 4½ ins.

STEERING

60. Type Rack & 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 – N.A.

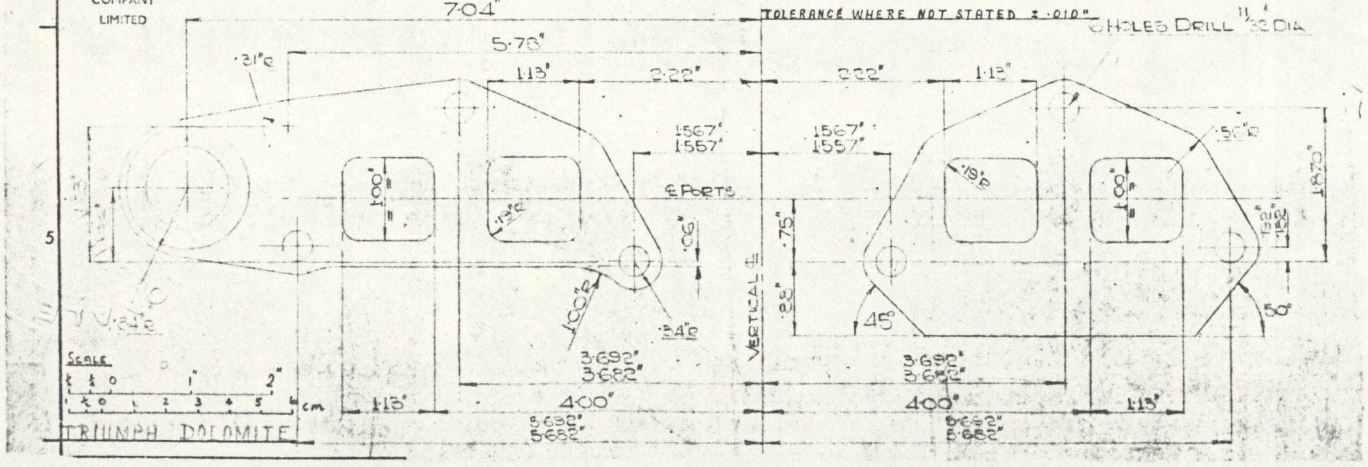
TRIUMPH MOTOR COMPANY LIMITED

REF. PAGE 4-3. DRAWING OF EXHAUST MANIFOLD PORTS - SCALE FULL SIZE



TRIUMPH MOTOR COMPANY LIMITED

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



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Make BRITISH LEYLAND Model TRIUMPH DOLOMITE F.I.A. Rec. No.....

FISA - Transfert en C.E.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)
93. Number of cylinders per wheel: F. 2 R. 1

		FRONT			REAR		
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	8.7	sq. in.		mm.²	sq. in.

Make BRITISH LEYLAND Model TRIUMPH DOLOMITE F.I.A. Rec. No.....

FISA - Transfert en G...

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 : ~~moulded~~/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/lead bronze — dia. 54,2 m.m. 2.129 in. — in-sid

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 [redacted] kg. 22 [redacted] lbs.

161. Flywheel with clutch (all turning parts) 15,65 [redacted] kg. [redacted] 34,5(

162. Crankshaft [redacted] 12,34 kg. 27,2 [redacted] lbs. — 163. Connecting rod 0,73 [redacted] kg. 1,6 [redacted] 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) .24 mm .008"

188. Valves close at (with tolerance for tappet clearance indicated) 56 ABDC)

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. 1.50ins.

216. ~~Maximum 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.....

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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.

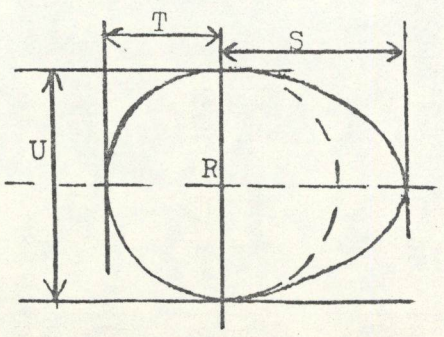
251. Max. r.p.m. 6000 output at that figure 80 BHP nett

252. Max. torque 1260 lbs. ins. nett at 3500 r.p.m.

253. Max. speed of the car 161 km./hour 100 miles/hour

R = centre of camshaft

a55



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.....

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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 lev

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. equipment 274. Automatic, make Borg-Warner type 65

275. No. of forward ratios 3 276. Location of gear shift Centrally mounted in floor behind gearbox

277.	Manual Ratio	Manual No. teeth	Automatic Ratio	Automatic No. teeth	Alternative manual/automatic Ratio	Alternative manual/automatic No. teeth	Alternative manual/automatic Ratio	Alternative manual/automatic No. teeth
1	2.65	26/19 x 29/15	2.39-4.57					
2	1.78	26/19 x 26/20	1.45-2.77					
3	1.25	26/19 x 22/24	1.00-1.91					
4	1.00							
5	-							
6	-							
reverse	3.01	26/19 x 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 11 " " " 36/11

3.27:1

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.