



F.I.A. Recognition No. 5477  
Group 1

## ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1

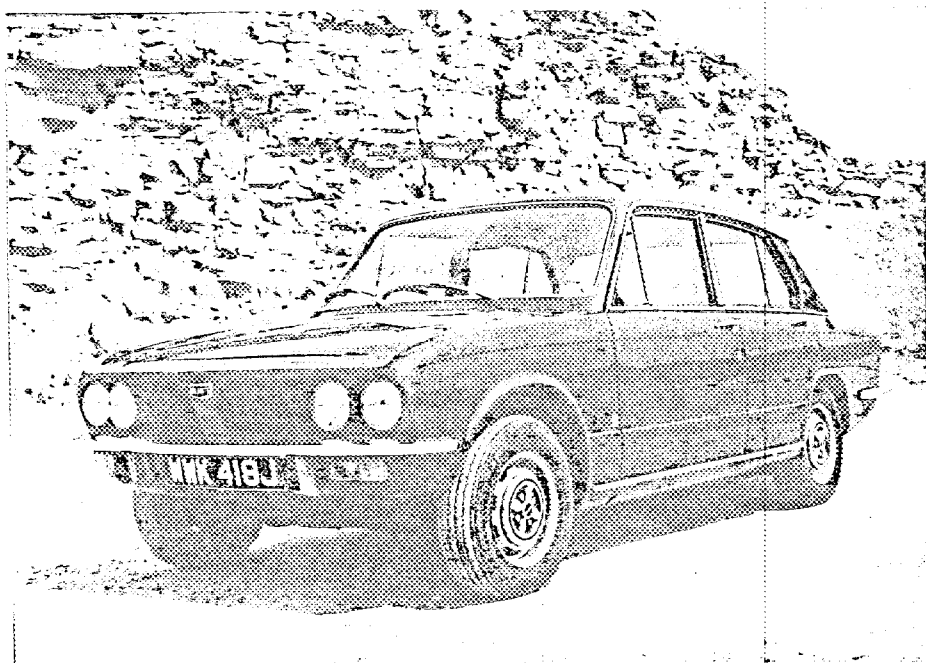
Form of recognition in accordance with appendix J to the International Sporting Code of the  
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Manufacturer BRITISH LEYLAND Model TRIUMPH DOLOMITE  
Serial No. of chassis/body WF1DL or LDL onwards. Manufacturer BRITISH LEYLAND  
Serial No. of engine WF1H or LE onwards. Manufacturer BRITISH LEYLAND  
Recognition is valid from \_\_\_\_\_ List \_\_\_\_\_

Cylinder-capacity 1854 cm.<sup>3</sup> 113.2 in.<sup>3</sup>

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. 1/2 view of car from front

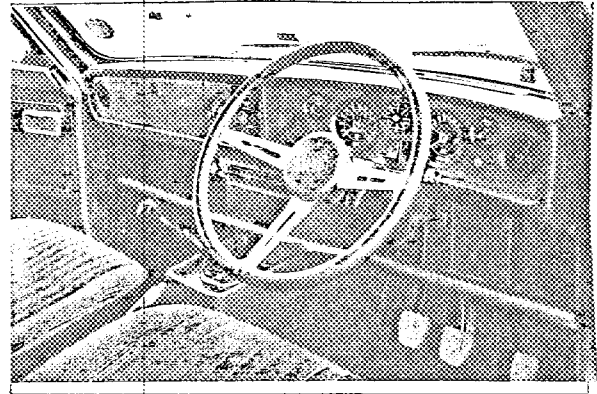


F.I.A. Stamp

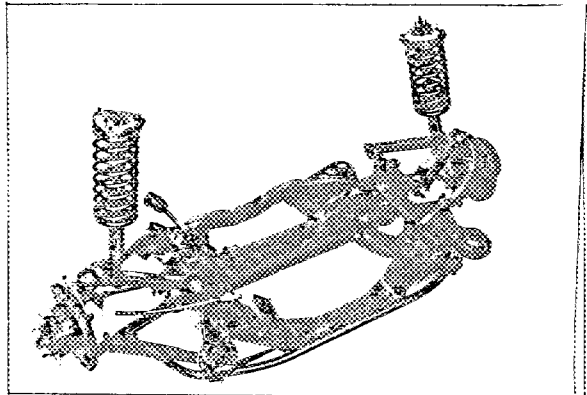
R.A.C. Stamp



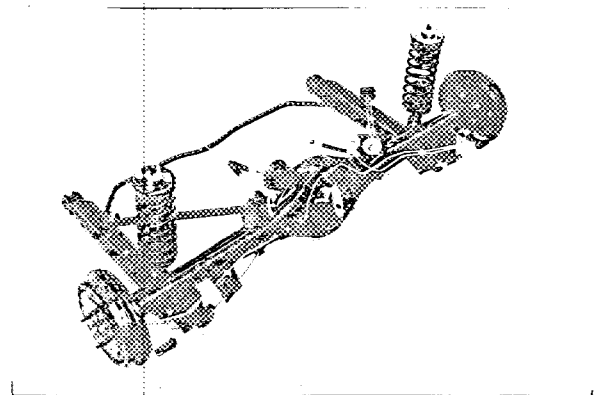
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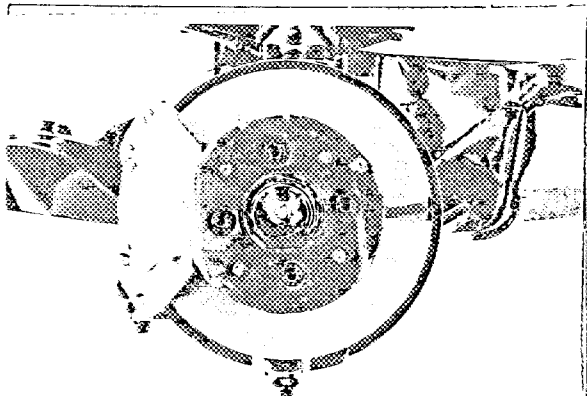
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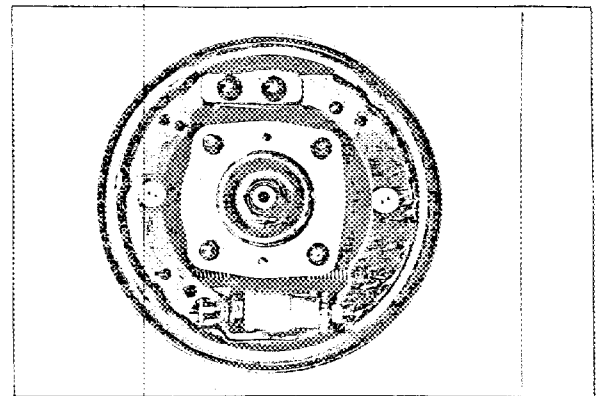
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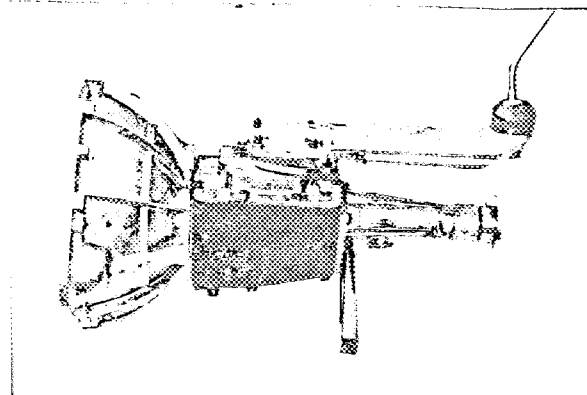
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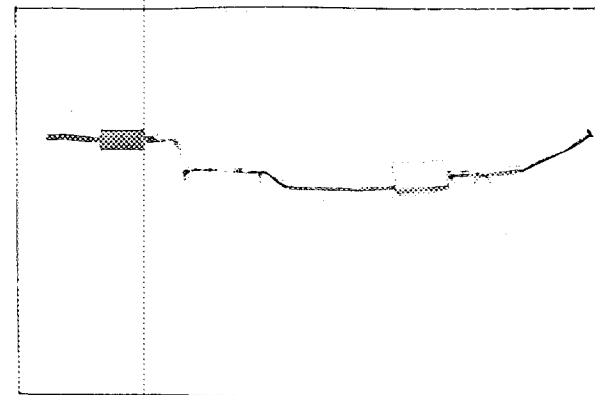
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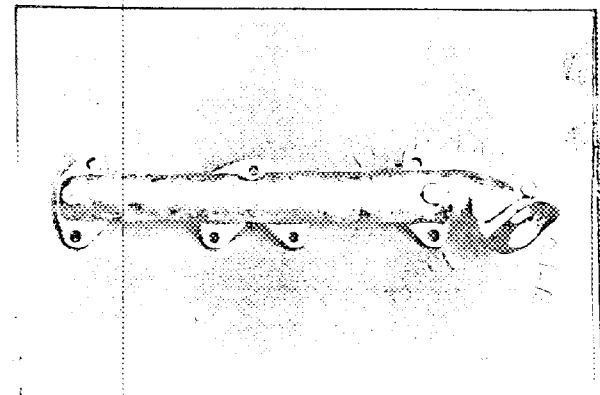
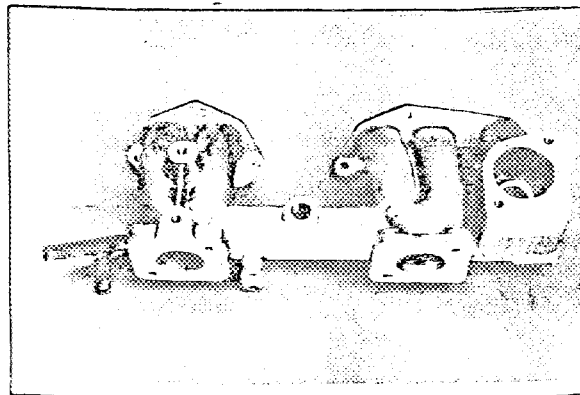
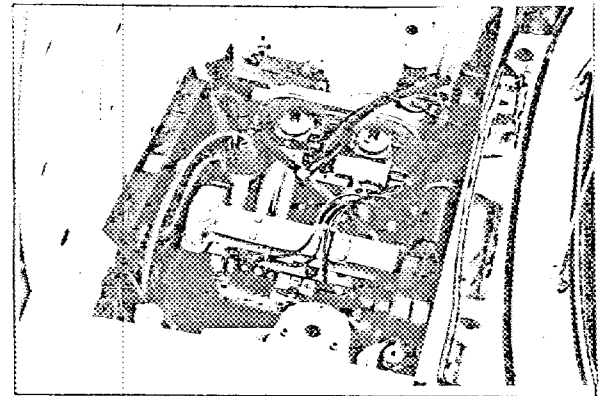
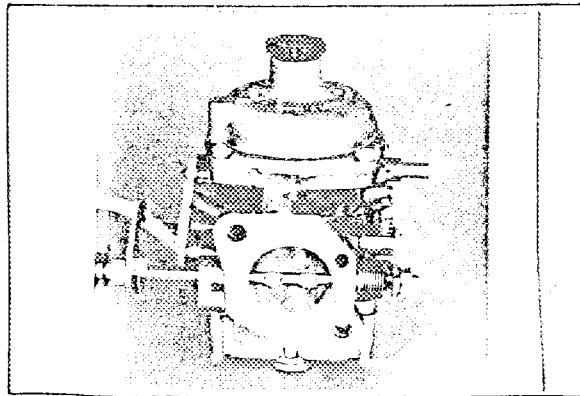
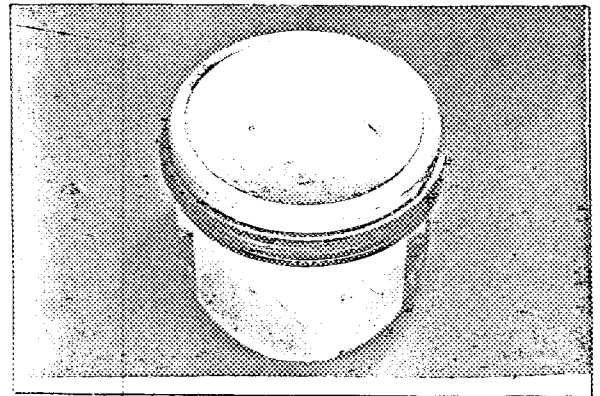
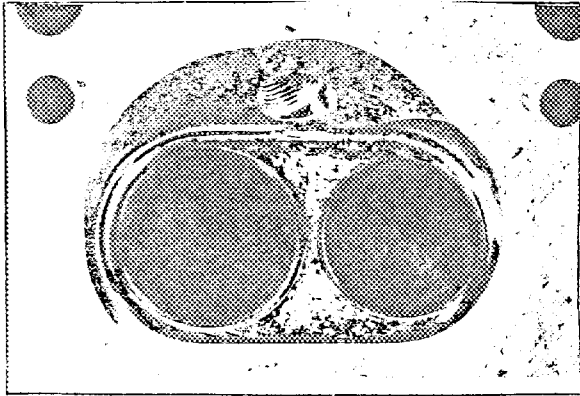
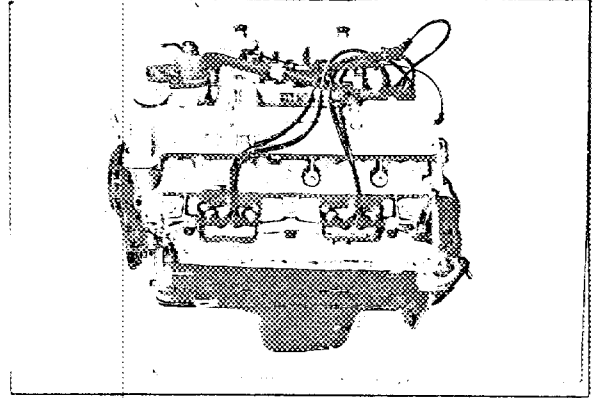
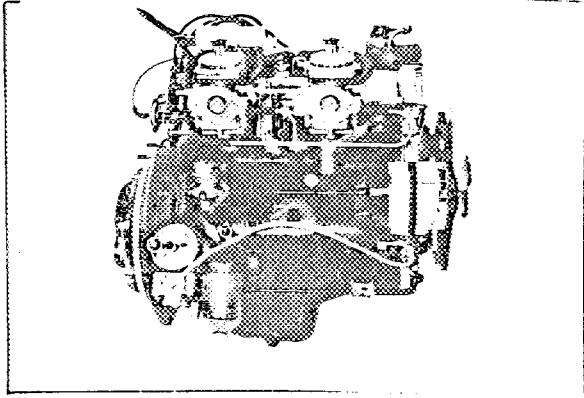
G



H



I



J

K

L

M

N

O

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Q

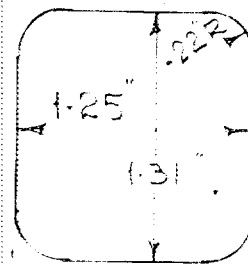
Make BRITISH LEYLAND

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



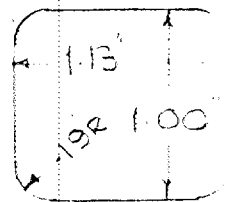
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

DETAILS OF EXHAUST PORTS 1 & 4

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

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

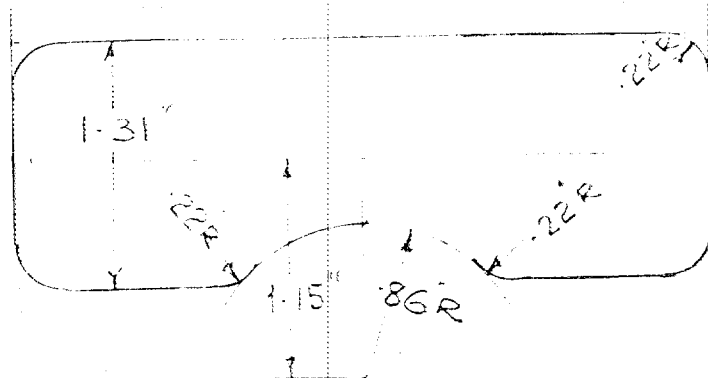
see attached drawing



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

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

scale - full size  
tolerance  $\pm .01$ "



DETAILS OF EXHAUST PORTS 2 & 3.

Make BRITISH LEYLAND

Model TRIUMPH DOLOMITE

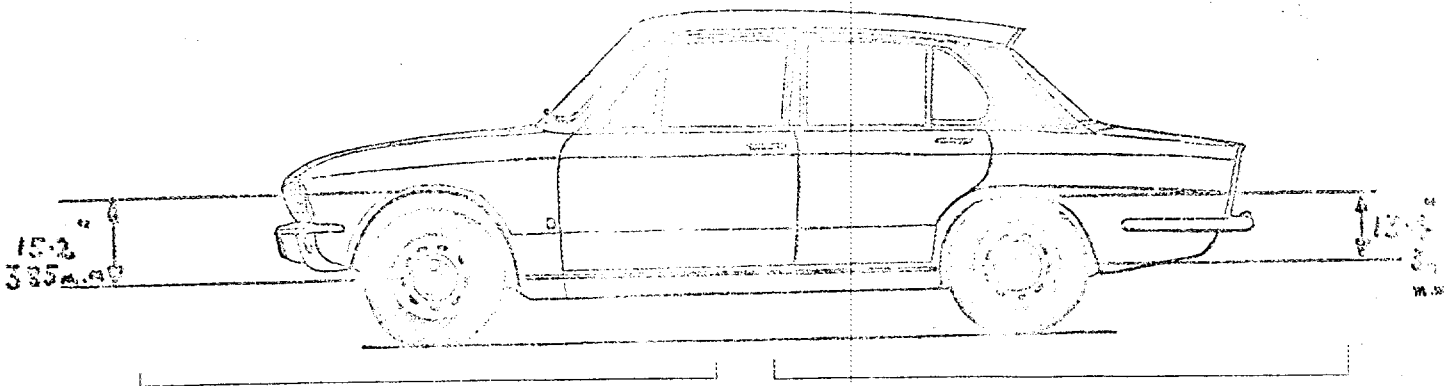
F.I.A. Rec. No. ....

**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	411.5	cm.	162	inches
5a. " width of car @ axle of front wheels	155.6	cm.	61.25	inches
5. Overall width of the car " " " rear "	156.8	cm.	61.75	inches
5b. " " " " " " " "	150.0	cm.	59.0	inches
6. Overall height of the car	137.2	cm.	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. <sup>2</sup>	1 gallon Imp.	— 4.546	ltrs.
1 cubic inch/pouce cube	— 16.387	cm. <sup>3</sup>	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.

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
- 42. Weight of front seat(s), complete with supports and rails, out of the car : squab facings. 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 1/8
- 63. In case of servo-assistance —

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

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-  
 91. Servo-assistance (if fitted), type parking brake on rear wheels.  
 92. Number of hydraulic master cylinders Direct acting Girling, type 38, servo  
 93. Number of cylinders per wheel F. 2 R. 1 1. (tandem master cylinder when divided brake system) vac.

		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. <sup>2</sup> sq. in.	17860 mm. <sup>2</sup> 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. <sup>2</sup> 28.7 sq. in.	mm. <sup>2</sup> sq. in.

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

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. <sup>3</sup> 28.3 cu. in.
136. Total cylinder capacity			1854 cm. <sup>3</sup> 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. <sup>3</sup> 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: <del>XXXXX</del> /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: <del>dry sump</del> /oil in sump			
152. Capacity, lubricant	4.5 ltrs. 8 pts.		4.8 quarts U.S.
153. Oil cooler: <del>yes/no</del> 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-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)		10.9 kg.	24 lbs.
161. Flywheel with clutch (all turning parts)		16.6 kg.	36.5 lbs.
162. Crankshaft	14.1 kg. 31 lbs.	163. Connecting rod	0.57 kg. 1.25 lbs.
164. Piston with rings and pin		0.58 kg.	1.28 lbs.



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

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 )  
203. Valves close at (with tolerance for tappet clearance indicated) 16 ATDC ) .45mm .018  
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. ~~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

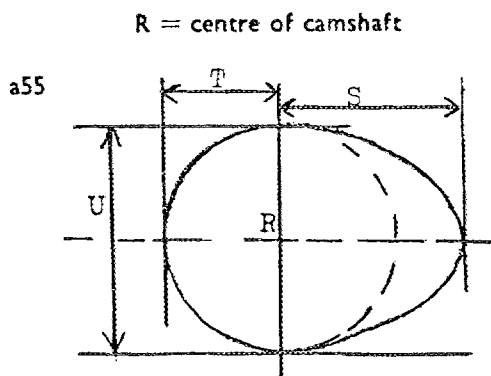
F.I.A. Rec. No. ....

**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 : ~~dynamic~~/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. ....

DRIVE TRAIN

CLUTCH

- 260. Type of clutch dry plate, spring diaphragm
- 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
- 275. No. of forward ratios 3
- 276. Location of gear shift Centrally mounted in floor behind gearbox

277.	Ratio	Manual		Automatic		Ratio	Alternative manual/automatic		No. teeth
		No. teeth	No. teeth	Ratio	No. teeth		Ratio	No. teeth	
1	2.65	26	29	2.39-4	57				
2	1.78	19	15	1.45-2	77				
		26	26						
3	1.25	19	20	1.00-1	91				
		26	24						
4	1.00								
5	-								
6 reverse	3.01	26	33	2.09-3	99				
		19	15						

- 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.

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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.....

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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..... TRIUMPH  
Model..... DOLOMITE  
F.I.A. Recognition No. .... 5477  
Amendment No. .... V/IV

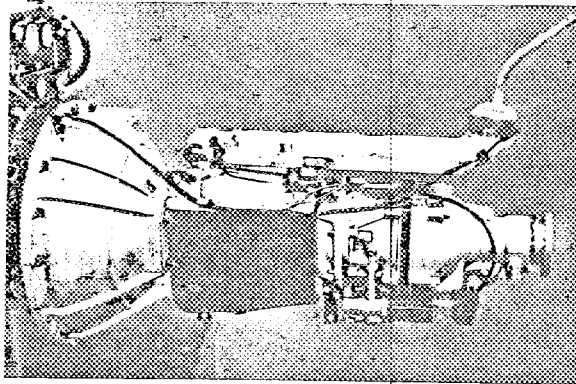
*Amendment to Form of Recognition*

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

OPTIONAL EQUIPMENT  
TRIUMPH DOLOMITE  
Commission No. WF 18083 onwards.  
GEARBOX

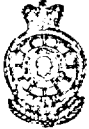


278  
279  
280

Overdrive type: Laycock J type  
Forward gears on which overdrive can be selected: 3 and  
Overdrive ratio : 0.797 :1

Date amendment is valid from 1.6.73

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



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

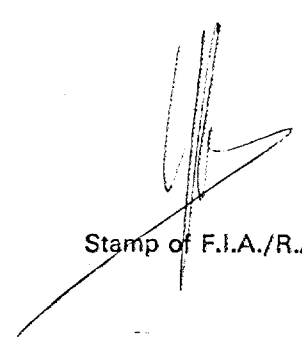
Manufacturer British Leyland  
Model Triumph Dolomite  
F.I.A. Recognition No. 5477  
Amendment No. 2/1E

*Amendment to Form of Recognition*

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.
	ERRATUM
160	Flywheel clean 9.98 kg. 22lbs.
161	Flywheel with clutch (all turning parts) 15.65 kg. 34.5 lbs.
162	Crankshaft 12.34 kg. 27.2 lbs.
163	Connecting rod .73 kg. 1.6 lbs.

Date amendment is valid from 1 7 83

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



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

Manufacturer BRITISH LEYLAND

Model TRIUMPH DOLOMITE

F.I.A. Recognition No. 5477

Amendment No. 3/2E

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.

Reference No.

EVOLUTION -  
TRIUMPH DOLOMITE

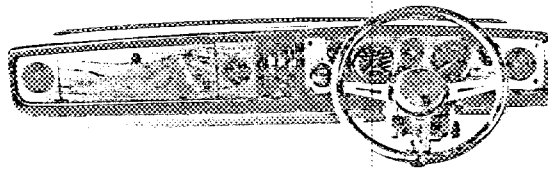
COMMISSION NO. WF 26531 onwards

STEERING

- 60 Type - rack and pinion
- 61 Servo assistance - no
- 62 Number of turns of steering wheel from lock to lock 3.75
- 63 In case of servo assistance - N.A.

COMMISSION NO. WF 27181 onwards

Photograph C



Date amendment is valid from 1.10.73

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





FEDERATION INTERNATIONALE DE L'AUTOMOBILE

TRIUMPH(BL) - DOLOMITE

MARQUE ET MODELE

4/72 - 1/82

VALIDITE HOMOLOGATION

5477

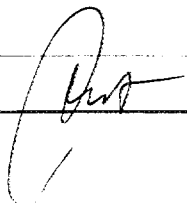
FICHE NR.

1 / 2000

GROUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES
1/IV 2/IE	4/73 7/73	BOITE A VITESSES - OVERDRIVE VOLANT MOTEUR - BIELLE	
3/2E	10/73	VILLEBREQUIN DIRECTION - TABLEAU DE BORD	

Autres homologations du modèle 5477 TRANSFERT A

Vérifiée le 5/10/95 par  visée ce jour le \_\_\_\_\_ par \_\_\_\_\_