

Manufacturers Reference No. for Application

2/1963.



F.I.A. Recognition No.

131

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Form of Recognition in accordance with
Appendix J to the
International Sporting Code.

Manufacturer MORGAN MOTOR CO., LTD.

Model 4/4 Year of Manufacture 1962-1963

Serial No. of Chassis PREFIX A & B.

Engine PREFIX S.

Type of Coachwork 2 SEATER.

Recognition is valid from 14 JANUARY 1963 In category G.T.

5 September 1963
9/22

TOTO?

Handwritten signature



Photograph to be affixed here 3/4 view of car from front right



Large handwritten signature

Stamp of F.I.A./R.A.C. to be affixed here.

Form: R.F.I.A.

General description of car:

Specify here material/s of
chassis/body construction

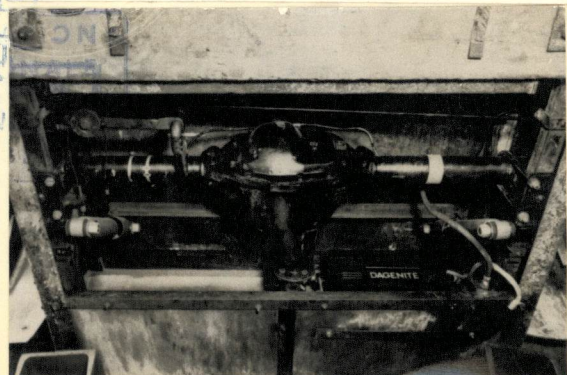
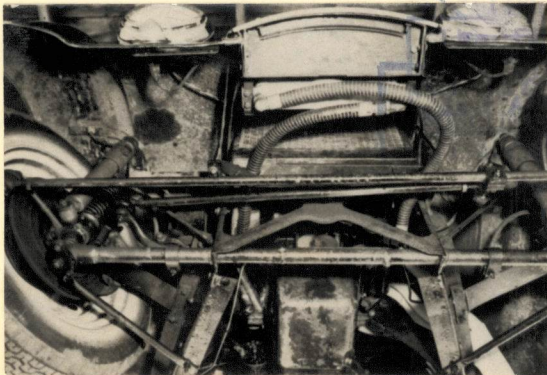
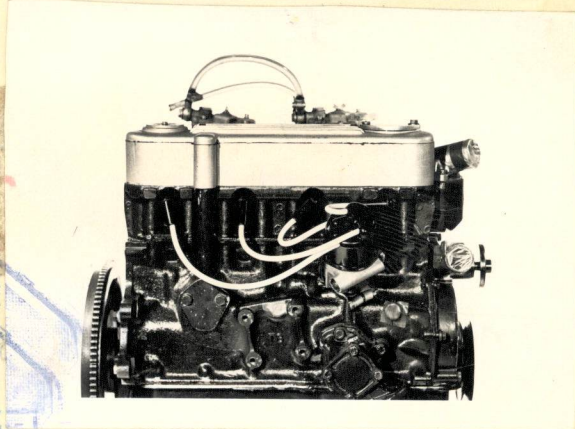
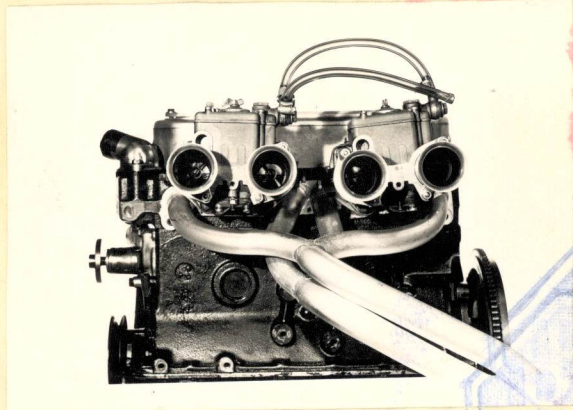
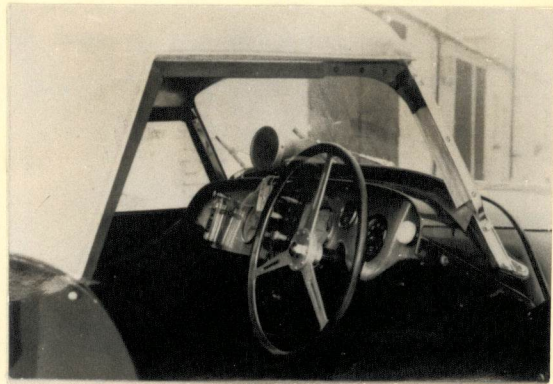
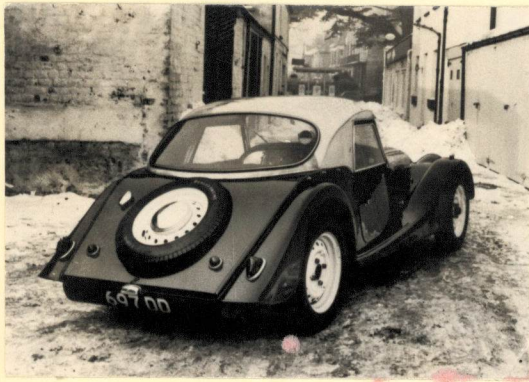
STEEL CHASSIS FRAME.

OPEN 2 SEATER.

ALUMINIUM OR STEEL PANELS ON ASH FRAME.

ALUMINIUM OR GLASS FIBRE HARD TOP.

Photographs to be affixed below.



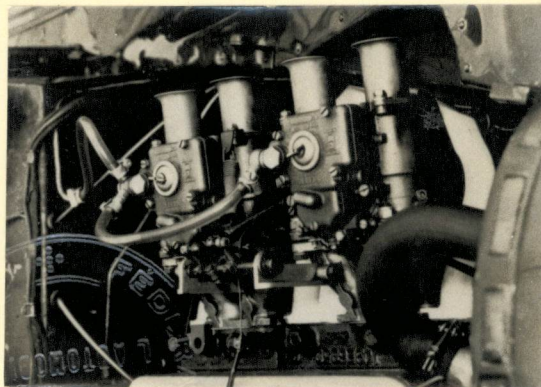
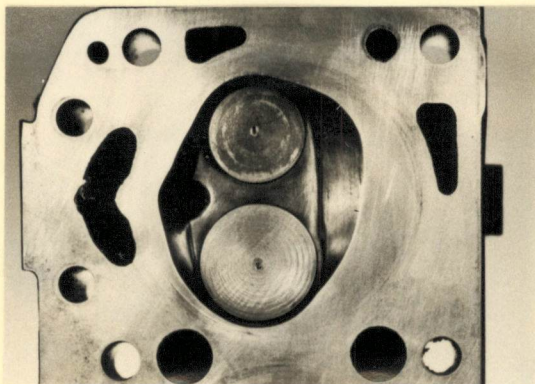
ENGINE

in line
 No. of cylinders 4. in V
 opposed
 Cycle 4 STROKE Firing order 1-2-4-3.
 Capacity 1498 c.c. Bore 80.97 m.m. Stroke 72.746 m.m.
 Maximum rebore .020" Resultant capacity 1499 c.c.
 Material of cylinder block CAST IRON. Material of sleeves, if fitted CAST IRON.
 Distance from crankshaft centre line to top face of block at centre line of cylinders 26 m.m.
 Material of cylinder head CAST IRON. Volume of one combustion chamber 34 c.c.
 Compression ratio 10.2-1
 Material of piston ALUMINIUM ALLOY No. of piston rings 3.
 Distance from gudgeon pin centre line to highest point of piston crown 3.82 m.m.
 Bearings { Crankshaft main bearings: Type COPPER/LEAD. Dia. 54 m.m.
 Connecting rod big end: Type COPPER/LEAD. Dia. 49.2. m.m.
 Weights { Flywheel 6.4 kg.
 Crankshaft 12 kg.
 Connecting rod .7 kg.
 Piston with rings .4 kg.
 Gudgeon pin .116 kg.
 No. of valves per cylinder 2 Method of valve operation PUSH ROD.
 No. of camshafts 1 Location of camshafts SIDE OF BLOCK.
 Type of camshaft drive CHAIN
 Diameter of valves: Inlet 36 m.m. Exhaust 32 m.m.
 Diameter of port at valve seat: Inlet 33.5 m.m. Exhaust 29.5 m.m.
 Tappet clearance for checking timing: Inlet .406 m.m. Exhaust .660 m.m.
 Valves open: Inlet 42° BTDC. Exhaust 84° BBDC.
 Valves close: Inlet 79 ABDC. Exhaust 39° ATDC.
 Maximum valve lift: Inlet 9 m.m. Exhaust 8.7 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 106° Exhaust 109°
 $\frac{3}{4}$ Maximum lift: Inlet 60° Exhaust 60°
 Valve springs: Inlet COIL Exhaust COIL.
 Type COIL
 No. per valve 1.
 Carburettor: Type WEBER 40 DCOE x2 No. fitted 2.
 (up or down draft, horizontal) CHOKE
 Make WEBER. Model 40. DCOE.
 Flange hole diameter 40 m.m. Choke diameter 30. m.m.
 Main jet identification No. 120.

Air filter: Type... NOT FITTED No. fitted —

Inlet manifold:
Diameter of flange hole at carburettor... 40 m.m.

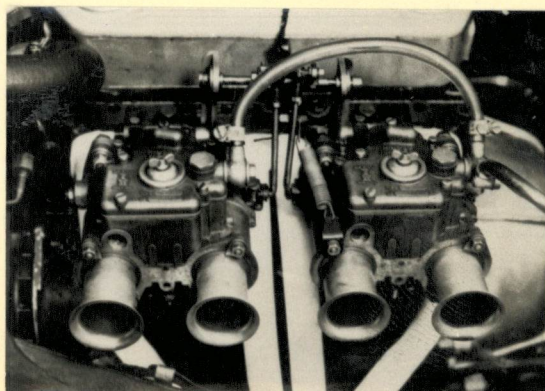
Diameter of flange hole at port... 32 m.m.



Exhaust manifold:

Diameter of flange hole at port... 28.5 m.m.

Diameter of flange hole at connection to silencer inlet pipe... 28.5 m.m.



ENGINE ACCESSORIES

Make of fuel pump... BENDIX OR A.C. No. fitted 1 OR 2.

Method of operation... ELECTRICAL OR MECHANICAL.

Type of ignition system... COIL coil or magneto

Make of ignition... LUCAS Model 12 VOLT.

Method of advance and retard... CENTRIFUGAL AND SUCTION.

Make of ignition coil... LUCAS Model 12 VOLT.

No. of ignition coils... 1. Voltage 12.

Make of dynamo... LUCAS. Model TWO BRUSH.

Voltage of dynamo... 12 Maximum output 25 amps.

Make of starter motor... LUCAS. Model 12 VOLT.

Battery: No. fitted 1. Voltage 12 Capacity 48. amp. hour

Oil Cooler (if fitted) type TUBULAR CONS. Capacity 1. pints

Make MORGAN. Model 4/4 F.I.A. Recognition No.

Manufacturers Reference No. of Application 2/1963.

TRANSMISSION

Make of clutch FORD Type SINGLE DRY PLATE.
Diameter of clutch plate 18.4 No. of plates 1.
Method of operating clutch HYDRAULIC
Make of gearbox FORD Type SYNCHROMESH.
No. of gearbox ratios 4.
Method of operating gearshift LEVER.
Location of gearshift CENTRAL.
Is overdrive fitted? NO.
Method of controlling overdrive, if fitted

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	<u>4.118</u>	<u>35</u>	<u>2.917</u>					
2.	<u>2.396</u>	<u>30</u>	<u>1.697</u>					
3.	<u>1.412</u>	<u>21</u>	<u>1.280</u>					
4.	<u>1.000</u>	<u>17</u>	<u>1.000</u>					
5.								

Type of final drive HYPOID
Type of differential NORMAL OR LIMITED SLIP
Final drive ratio 4.56 Alternatives 4.1
No. of teeth 9/41
Overdrive ratio, if fitted

WHEELS

Type DUNLOP WIRE OR DISC. Weight 6 kg.
Method of attachment SPLINED HUB OR BOLT ON 4 STUDS.
Rim diameter 380 m.m. Rim width 113 OR 101. m.m.
Tyre size: Front 5.60" x 15" Rear 5.60" x 15"
OR 406 OR 5.60" x 16" OR 5.60" x 16"

BRAKES

Method of operation HYDRAULIC
Is servo assistance fitted? OPTIONAL.
Type of servo, if fitted GIRLING
No. of hydraulic master cylinders 1 OR 2. Bore 19 m.m.

	Front	Rear
No. of wheel cylinders	2 per CALLIPER	2.
Bore of wheel cylinders	2 x 23 m.m.	22-20 m.m.
Inside diameter of brake drums	/ m.m.	230 m.m.
No. of shoes per brake	/	2.
Outside diameter of brake discs	280 m.m.	/ m.m.
No. of pads per brake	2.	/
Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)		

	Front	Rear
Length	PAD TOP 70 m.m.	217 m.m.
	" BASE 45 m.m.	/ m.m.
Width	48 m.m.	44 m.m.
Total area per brake	5568 m.m. ²	18100 m.m. ²

SUSPENSION

	Front	Rear
Type	IND. VERTICAL COIL	1/2 ELLIPTIC.
Type of spring	COIL	LEAF.
Is stabiliser fitted?	NO	NO.
Type of shock absorber	HYDRAULIC	HYDRAULIC
No. of shock absorbers	2	2.

STEERING

Type of steering gear..... CAM GEAR.

Turning circle of car..... 9.5 m., approx.

No. of turns of steering wheel from lock to lock..... 2 1/4

CAPACITIES AND DIMENSIONS

Fuel tank..... 40 litres Sump..... 2.56 litres

Radiator..... 6.8 litres

Overall length of car..... 368 cm. Overall width of car..... 139 cm.

Overall height of car, unladen (with hood up, if appropriate)..... 120 cm.

Distance from floor to top of windscreen:

Highest point..... 96 cm. Lowest point..... 93 cm.

Width of windscreen:

Maximum width..... 105 cm. Minimum width..... 97 cm.

*Interior width of car..... 112 cm.

No. of seats..... 2

Track: Front..... 122 cm. Rear..... 124 cm.

Wheelbase..... 244 cm. Ground clearance..... 152. m.m.

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Overall weight with water, oil and spare wheel, but without fuel..... 680 kgs.

Additional information for cars fitted with two-cycle engines

System of cylinder scavenging.....

Type of lubrication.....

Size of inlet port:

Length measured around cylinder wall..... m.m.

Height..... m.m. Area..... m.m.²

Size of exhaust port:

Length measured around cylinder wall..... m.m.

Height..... m.m. Area..... m.m.²

Size of transfer port:

Length measured around cylinder wall..... m.m.

Height..... m.m. Area..... m.m.²

Size of piston port:

Length measured around piston..... m.m.

Height..... m.m. Area..... m.m.²

Method of pre-compression.....

Bore and stroke of pre-compression cylinder, if fitted..... m.m.

Distance from top of cylinder block to lowest point of inlet port..... m.m.

Distance from top of cylinder block to highest point of exhaust port..... m.m.

Distance from top of cylinder block to highest point of transfer port..... m.m.

Drawing of cylinder ports.

Supercharger, if fitted

Make..... Model or Type No.....

Type of drive..... Ratio of drive.....

Fuel injection, if fitted

Make of pump..... Model or Type No.....

Make of injectors..... Model or Type No.....

Location of injectors.....

Optional equipment affecting preceding information:—

ALTERNATIVE CARBURETTORS:—

SINGLE DOWN DRAUGHT WEBER TWIN CHOKE
TYPE. D.C.D.I.