

Manufacturers Reference No. for Application

4B/62



F.I.A. Recognition No.

68

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..... T. V. R. CARS LTD.

Model..... MARK III Year of Manufacture..... 1962

Serial No. of Chassis.....

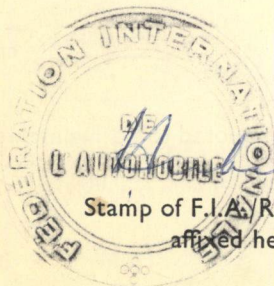
Engine.....

Type of Coachwork..... GRAN TOURING

Recognition is valid from..... 10 AOUT 1962 In category..... G.T.

General list n° 9
Additional list n° 15

Photograph to be affixed here $\frac{3}{4}$ view of car from front right.



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*

Multi tubular steel chassis with reinforced fibreglass body

Photographs to be affixed below.

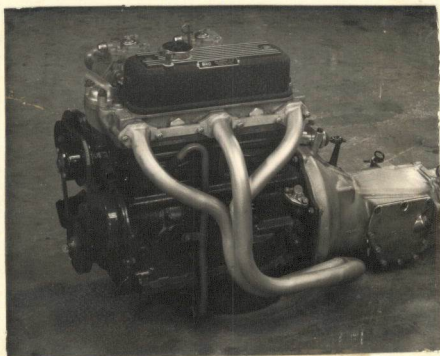
3/4 view of car from rear left.



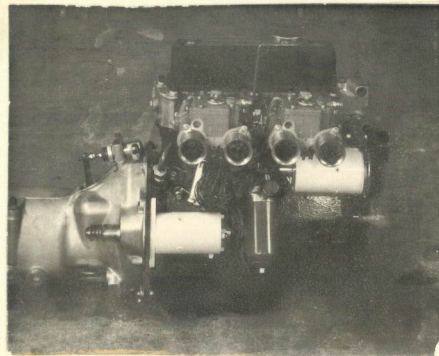
Interior view of car through driver's door.



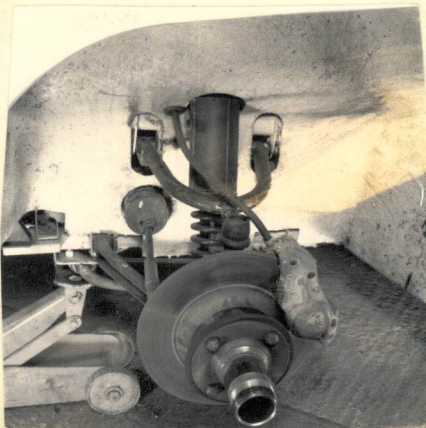
Engine unit with accessories from right.



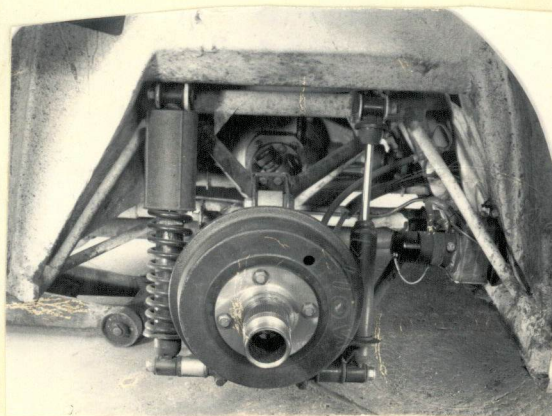
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



Make TVR Model MARK III F.I.A. Recognition No.

Manufacturers Reference No. of Application

TRANSMISSION

Make of clutch BORG and BECK Type A6 - G
Diameter of clutch plate 8" No. of plates SINGLE
Method of operating clutch HYDRAULIC
Make of gearbox B.M.C. Type SYNCHROMESH
No. of gearbox ratios 4 FORWARD 1 REVERSE
Method of operating gearshift MANUAL
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.	3:637	$\frac{21}{32} \times \frac{11}{28}$	2.44	$\frac{25}{26} \times \frac{11}{28}$				
2.	2:215	$\frac{21}{32} \times \frac{20}{31}$	1.618	$\frac{25}{26} \times \frac{19}{32}$				
3.	1:373	$\frac{21}{32} \times \frac{26}{25}$	1.266	$\frac{25}{26} \times \frac{29}{22}$				
4.	1.1	Direct	1.1	Direct				
5.								

Type of final drive HYPOID
Type of differential STAR WHEEL
Final drive ratio 4.3 Alternatives 4.1 4.55 4.875 3.9 5.1
No. of teeth 10/43
Overdrive ratio, if fitted NO

WHEELS

Type WIRE Weight 6 8 kg.
Method of attachment KNOCK ON
Rim diameter 380 m.m. Rim width 102 or 114 m.m.
Tyre size: Front 5.60 x 15 Rear 560 x 15

BRAKES

Method of operation HYDRAULIC
Is servo assistance fitted? NO
Type of servo, if fitted

No. of hydraulic master cylinders ONE Bore 17.8 m.m.

ENGINE

in line YES
 No. of cylinders 4 in V --
 opposed --
 Cycle 4 STROKE Firing order 1342
 Capacity 1622 c.c. Bore 76.2 m.m. Stroke 88.9 m.m.
 Maximum rebore .040" Resultant capacity 1662 c.c.
 Material of cylinder block CAST IRON Material of sleeves, if fitted --
 Distance from crankshaft centre line to top face of block at centre line of cylinders 9.932"/9.942" m.m.
 Material of cylinder head ALUMINIUM Volume of one combustion chamber 41.25 c.c.
 Compression ratio 9.5 - 1
 Material of piston ALUMINIUM ALLOY No. of piston rings 4
 Distance from gudgeon pin centre line to highest point of piston crown 42 m.m.
 Bearings { Crankshaft main bearings: Type SHELL Dia. 50.819 m.m.
 Connecting rod big end: Type SHELL Dia. 51.3395 m.m.
 Weights { Flywheel 9.46 kg.
 Crankshaft 14.62 kg.
 Connecting rod 1.473 kg.
 Piston with rings .398 kg.
 Gudgeon pin .078 kg.
 No. of valves per cylinder TWO Method of valve operation PUSH ROD
 No. of camshafts ONE Location of camshafts CYLINDER BLOCK
 Type of camshaft drive CHAIN
 Diameter of valves: Inlet 39.7 m.m. Exhaust 34.23 m.m.
 Diameter of port at valve seat: Inlet 35.7 m.m. Exhaust 30.8 m.m.
 Tappet clearance for checking timing: Inlet .533 m.m. Exhaust .533 m.m.
 Valves open: Inlet 16° BTDC Exhaust 51° BBDC
 Valves close: Inlet 56° ABDC Exhaust 21° ATDC
 Maximum valve lift: Inlet 8.89 m.m. Exhaust 8.89 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 8.89 Exhaust 8.89
 $\frac{3}{4}$ Maximum lift: Inlet 58° Exhaust 204°
 Valve springs: COIL Inlet COIL Exhaust
 Type HELICAL HELICAL
 No. per valve TWO TWO
 Carburettor: Type TWIN CHOKE No. fitted TWO
 (up or down draft, horizontal)
 Make WEBER Model 40 DCOE
 Flange hole diameter 40 m.m. Choke diameter 32 interchangeable m.m.
 Main jet identification No. 125 interchangeable

Optional equipment affecting preceding information:—

	Front		Rear
No. of wheel cylinders	2		ONE
Bore of wheel cylinders	48	m.m.	17.8
Inside diameter of brake drums	---	m.m.	228
No. of shoes per brake	---		TWO
Outside diameter of brake discs	273	m.m.	---
No. of pads per brake	TWO		---
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	60	m.m.	222
	SEGMENTAL	m.m.	---
Width	48	m.m.	44
Total area per brake	5760	m.m. ²	19.500

SUSPENSION

	Front		Rear
Type	COIL SPRING		COIL SPRING
Type of spring	HELICAL		HELICAL
Is stabiliser fitted?	YES		NO
Type of shock absorber	TELESCOPIC		TELESCOPIC
No. of shock absorbers	TWO		TWO or FOUR

STEERING

Type of steering gear..... RACK AND PINION

Turning circle of car..... 9..... m., approx.

No. of turns of steering wheel from lock to lock..... 2½

CAPACITIES AND DIMENSIONS

Fuel tank..... 47 approx..... litres Sump..... 5..... litres

Radiator..... 8 approx..... litres

Overall length of car..... 356..... cm. Overall width of car..... 162.5..... cm.

Overall height of car, unladen (with hood up, if appropriate)..... 122..... cm.

Distance from floor to top of windscreen:

 Highest point..... 96..... cm. Lowest point..... 63..... cm.

Width of windscreen:

 Maximum width..... 134..... cm. Minimum width..... 122..... cm.

*Interior width of car..... 132..... cm.

No. of seats..... TWO

Track: Front..... 131..... cm. Rear..... 131..... cm.

Wheelbase..... 239..... 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..... 600..... kgs.

Air filter: Type..... No. fitted.....
 Inlet manifold:
 Diameter of flange hole at carburettor..... 40..... m.m.
 Diameter of flange hole at port..... 35..... m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.

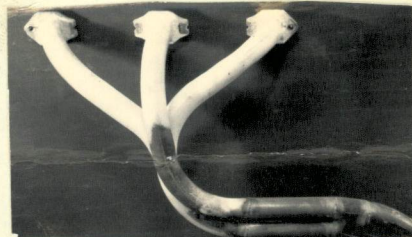


Exhaust manifold:
 Diameter of flange hole at port..... 35 x 22 RECTANGLE..... m.m.
 Diameter of flange hole at connection to silencer inlet pipe..... 39 approx..... m.m.



Photograph of component to be affixed here.

Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

Make of fuel pump..... S.U. No. fitted..... ONE or TWO
 Method of operation..... ELECTRIC
 Type of ignition system..... COIL..... coil or magneto
 Make of ignition..... LUCAS Model.....
 Method of advance and retard..... CENTRIFUGAL AND VACUUM
 Make of ignition coil..... LUCAS Model..... DM2/P4
 No. of ignition coils..... ONE OR TWO Voltage..... 12
 Make of dynamo..... LUCAS Model..... C 40 A
 Voltage of dynamo..... 12 Maximum output..... 22 amps.
 Make of starter motor..... LUCAS Model..... M. 35 G
 Battery: No. fitted..... ONE or TWO Voltage..... 12 Capacity..... 45 amp. hour
 Oil Cooler (if fitted) type..... SERCK Capacity..... 1 1/2 pints

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.....

