

Manufacturers Reference No. for Application

950 + 950S



F.I.A. Recognition No.

119

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

TURNER SPORTS CARS (WTON) LTD.

Model

950 + 950S

Year of Manufacture

Serial No. of

Chassis

601 — 611

Engine

95H

Type of Coachwork

2 SEATER WITH OR WITHOUT HARD TOP.

Recognition is valid from

9/5/63

In category

GT or Prod. SPORT

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.

Hubert Schward

Form: R.F.I.A.

General description of car:

Specify here material/s of
chassis/body construction

Chassis 3" DIA Tubular Steel.
Body inner Frame Steel
Fibreglass outer Shell.

Photographs to be affixed below.

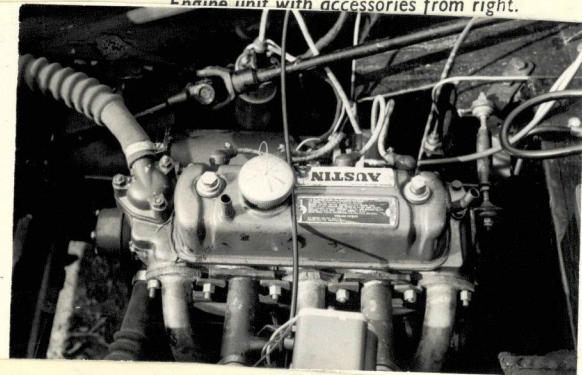
$\frac{3}{4}$ view of car from rear left.



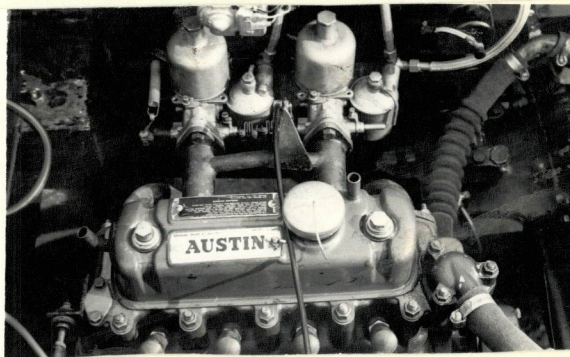
Interior view of car through driver's door.



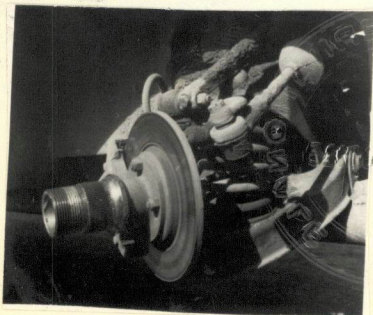
Engine unit with accessories from right.



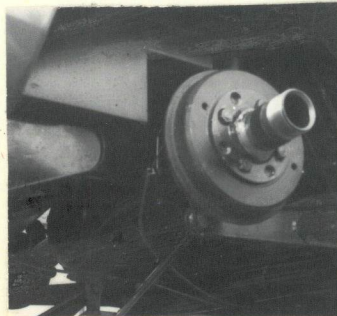
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

No. of cylinders 4 in line YES
 in V —
 opposed —
 Cycle 4 Firing order 1-3-4-2
 Capacity 950 c.c. Bore 62.9 m.m. Stroke 76.2 m.m.
 Maximum rebore + 0.60" Resultant capacity 998 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 8.60 m.m.
 Material of cylinder head CAST IRON Volume of one combustion chamber 23 c.c.
 Compression ratio 10-1
 Material of piston ALUM. No. of piston rings 2 comp 1 scraper.
 Distance from gudgeon pin centre line to highest point of piston crown 1.342 m.m.
 Bearings { Crankshaft main bearings: Type SHELL Dia. 1.750 m.m.
 Connecting rod big end: Type SHELL. Dia. 1.625 m.m.
 Weights { Flywheel 11.62 kg.
 Crankshaft — kg.
 Connecting rod .620 kg.
 Piston with rings .30 kg.
 Gudgeon pin .080 kg.
 No. of valves per cylinder 2 Method of valve operation Push Rod.
 No. of camshafts 1 Location of camshafts IN BLOCK.
 Type of camshaft drive CHAIN.
 Diameter of valves: Inlet 1.25 m.m. Exhaust 1.187 m.m.
 Diameter of port at valve seat: Inlet 1.06 m.m. Exhaust .980 m.m.
 Tappet clearance for checking timing: Inlet .003 m.m. Exhaust .003 m.m.
 Valves open: Inlet 50° Exhaust 86°
 Valves close: Inlet 86° Exhaust 50°
 Maximum valve lift: Inlet .39" m.m. Exhaust .39 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 130° Exhaust 130°
 $\frac{3}{4}$ Maximum lift: Inlet 70° Exhaust 70°
 Valve springs: Inlet — Exhaust —
 Type COIL COIL.
 No. per valve 2 2.
 Carburettor: Type HORIZONTAL. No. fitted 2
 (up or down draft, horizontal)
 Make S.V. Model H4
 Flange hole diameter 1 1/2" m.m. Choke diameter — m.m.
 Main jet identification No. —

Make TURNER Model 950 F.I.A. Recognition No. _____

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TRANSMISSION

Make of clutch BORG + BECK Type DRY
Diameter of clutch plate 6 1/4 No. of plates 1
Method of operating clutch HYDRAULIC
Make of gearbox BMC Type A TYPE C/R
No. of gearbox ratios 4 + Rev
Method of operating gearshift Remote Control
Location of gearshift Central
Is overdrive fitted? —
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>2.25-1</u>		<u>3.628-1</u>					
2.	<u>1.67-1</u>		<u>2.374-1</u>					
3.	<u>1.23-1</u>		<u>1.412-1</u>					
4.	<u>1-1</u>		<u>1-1</u>					
5.								

Type of final drive HYPOID
Type of differential Z.F.
Final drive ratio 4.55-1 Alternatives 4.2-1 4.875-1 5.125-1
No. of teeth 9-41 5.375-7
Overdrive ratio, if fitted —

WHEELS

Type WIRE Weight — kg.
Method of attachment Knock on Hub Cap
Rim diameter 13" m.m. Rim width 4" m.m.
Tyre size: Front 560 x 13" Rear 560 x 13"

BRAKES

Method of operation HYDRAULIC
Is servo assistance fitted? —
Type of servo, if fitted —
No. of hydraulic master cylinders TWIN Bore 5/8" m.m.

	Front	Rear
No. of wheel cylinders	2	1
Bore of wheel cylinders	—	—
Inside diameter of brake drums	—	8
No. of shoes per brake	—	2
Outside diameter of brake discs	9"	—
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	9" m.m.	7 3/4" m.m.
Width	1 1/2 m.m.	1 1/2 m.m.
Total area per brake	6 sq. ins. m.m. ²	11.625 sq. ins. m.m. ²

SUSPENSION

	Front	Rear
Type	Independent	TRAILING ARM.
Type of spring	COIL.	TORSION BAR.
Is stabiliser fitted?	YES	—
Type of shock absorber	LEVER.	TELESCOPIC.
No. of shock absorbers	ONE EACH SIDE.	ONE EACH SIDE.

STEERING

Type of steering gear..... RACK + PINION.

Turning circle of car..... 32' m., approx.

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

CAPACITIES AND DIMENSIONS

Fuel tank..... 10 gals. litres Sump..... 1 gal. litres

Radiator..... 1 1/2 gals. litres

Overall length of car..... 11' 6" cm. Overall width of car..... 4' 6" cm.

Overall height of car, unladen (with hood up, if appropriate)..... 48" cm.

Distance from floor to top of windscreen:

Highest point..... 35" cm. Lowest point..... 34" cm.

Width of windscreen:

Maximum width..... 49" cm. Minimum width..... 42" cm.

*Interior width of car..... 4 7/2" cm.

No. of seats..... 2

Track: Front..... 3' 9 1/2" cm. Rear..... 3' 8 3/4" cm.

Wheelbase..... 6' 10" cm. Ground clearance..... 5" 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..... 10 cwt. 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:—

15" Disc Wheels.
520 x 15" Tires.

WEBER 40 DCOE CARBURETTORS.

~~ALTERED CASE FLOW CYLINDER HEAD.~~