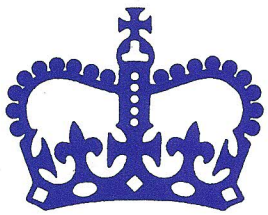


RAC

MOTOR SPORTS ASSOCIATION

HOMOLOGATION FORM

/JMH/7855 22nd May, 1963.

J.H.Turner Esq.,
Turner Sports Cars Ltd.,
Pendeford Airport,
WOLVERHAMPTON

Dear Mr. Turner,

I enclose herewith the stamped master copy of the form of recognition for the Turner 950. This should be placed on your files in safe-keeping.

For some unknown reason the C.S.I. have only sent one stamped copy of the forms for the Turner Ford 1600 and the Turner Climax 1100. I have written to ask them for another one and will be sending these to you as soon as they are to hand. Should anyone require a copy of course we will be able to supply them with one.

Yours sincerely,

Secretary to Mr. J. H.Delamont
Manager, Competitions Department

Manufacturers Reference No. for Application 950 + 950S

F.I.A. Recognition No. 119

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.I.

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. SPOR

Photograph to be affixed here ¾ 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:

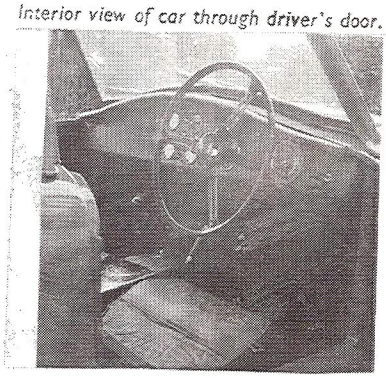
Specify here material/s of chassis/body construction

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

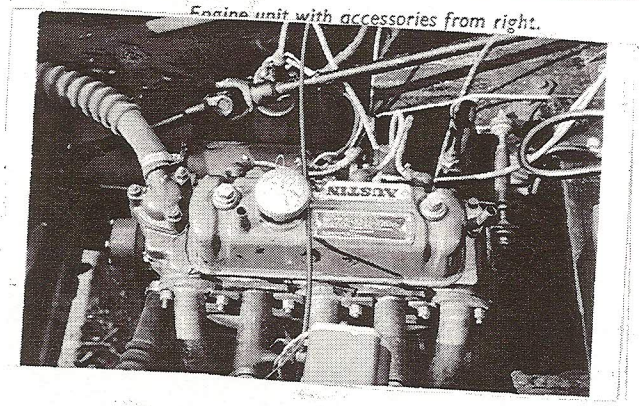
Photographs to be affixed below.

¾ view of car from rear left.

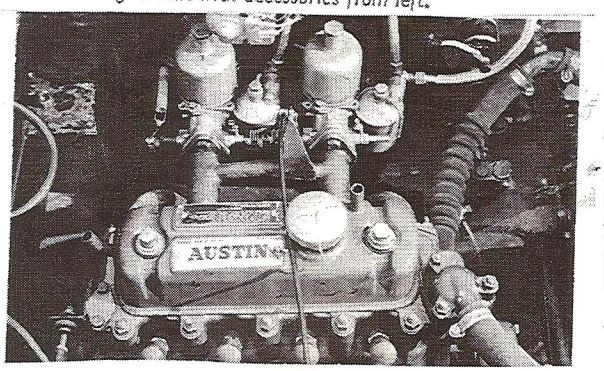
Interior view of car through driver's door.



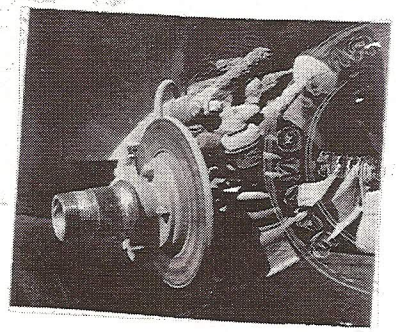
Engine unit with accessories from right.



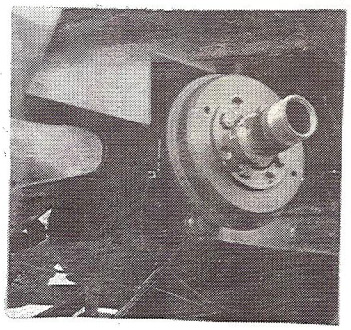
Engine unit with accessories from left.



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 + 060" — 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 lbs. 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.

		Inlet		Exhaust	
Diameter of valves:		1.25	m.m.	1.187	m.m.
Diameter of port at valve seat:		1.06	m.m.	.980	m.m.
Tappet clearance for checking timing:		.003	m.m.	.003.	m.m.
Valves open:		50°		86°	
Valves close:		86°		50°	
Maximum valve lift:		.39"	m.m.	.39	m.m.
Degrees of crankshaft rotation from zero to—					
Maximum lift:		130°		130°	
¾ Maximum lift:		70°		70°	

Valve springs:	Inlet	Exhaust
Type	Coil	Coil.
No. per valve	2	2.

Carburettor: Type HORIZONTAL. (up or down draft, horizontal) — No. fitted 2

Make S.U. — Model H4

Flange hole diameter 1½ m.m. — Choke diameter — m.m.

Main jet identification No. —

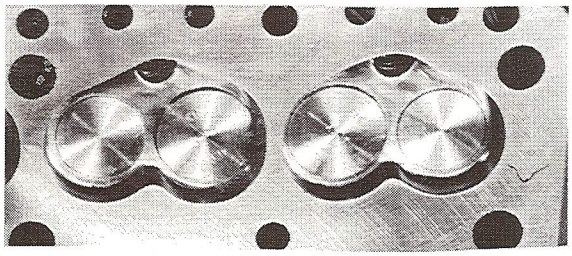
Air filter: Type —— No. fitted ——

Inlet manifold:

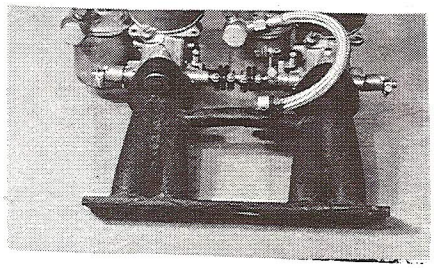
Diameter of flange hole at carburettor 1 1/2" m.m.

Diameter of flange hole at port 1 1/4" m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.



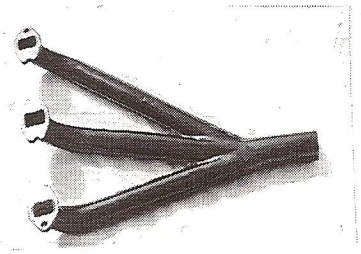
Exhaust manifold:

Diameter of flange hole at port 1 3/8" m.m.

Diameter of flange hole at connection to silencer inlet pipe 1 1/2" m.m.

Photograph of piston showing crown to be affixed here.

Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

Make of fuel pump S.U. No. fitted 1

Method of operation ELECTRIC.

Type of ignition system BATTERY + COIL. coil or magneto

Make of ignition LUCAS. Model DM2.

Method of advance and retard AUTO.

Make of ignition coil LUCAS. Model LA12.

No. of ignition coils 1 Voltage 12.

Make of dynamo LUCAS. Model C39. PV/2.

Voltage of dynamo 12 Maximum output amps.

Make of starter motor LUCAS Model M35-G.

Battery: No. fitted 1 Voltage 12 Capacity 34 amp. hour

Oil Cooler (if fitted) type ALLOY Capacity 1 pints

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

Manufacturers Reference No. of Application 950 & 950S.

TRANSMISSION

Make of clutch BORG & BECK. Type DRY

Diameter of clutch plate 6¼ 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.	2.25-1		3.628-1					
2.	1.67-1		2.374-1					
3.	1.23-1		1.412-1					
4.	1-1		1-1					
5.								

Type of final drive HYPOID.

Type of differential ZF.

Final drive ratio 4.55-1 Alternatives 4.2-1 4.875-1 5.125-1

No. of teeth 9-41 5.375-1.

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 5.60 x 13" Rear 5.60 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	— m.m.	— m.m.
Inside diameter of brake drums	— m.m.	8 m.m.
No. of shoes per brake	—	2
Outside diameter of brake discs	9" 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	2" m.m.	7 3/4" m.m.
	m.m.	m.m.
Width	1 1/2 m.m.	1 1/2 m.m.
Total area per brake	6 sq cms m.m.²	11.625 sq in 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 3 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 47 1/2" 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 preceeding information:—

15" Dunlop Wheels.

5.20 x 15" Tyres.

WEBER 40 DCOE CARBURETTERS.

~~Exhaust System Extractor Type Manifold.~~