

Manufacturers Reference No. for Application

1600



F.I.A. Recognition No.

102

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 FORD 1600 Year of Manufacture 1962 - 1963
 Chassis 621- 631-
 Serial No. of Engine 5 6 numbers.
 Type of Coachwork 2 seater with or without Hard Top
 Recognition is valid from 9/5/63 In category GT or Road 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.

Form: R.F.I.A.

General description of car:

Specify here material/s of
chassis/body construction

CHASSIS. 3rd Tubular STEEL.
BODY STEEL INNER FRAME
Fibreglass SHELL.

Photographs to be affixed below.

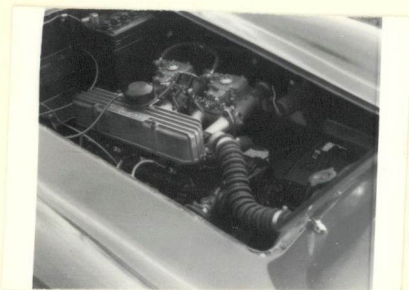
$\frac{3}{4}$ view of car from rear left.



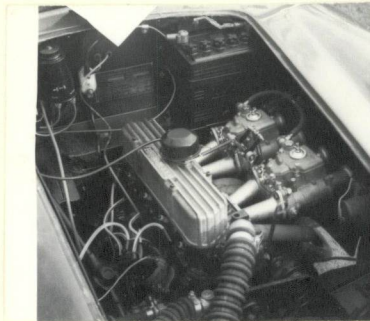
Interior view of car through driver's door.



75. Engine unit with accessories from right.



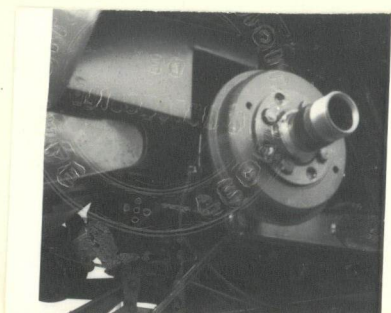
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).

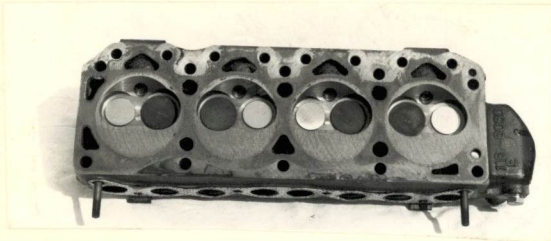


ENGINE

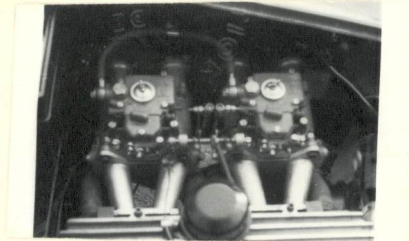
in line YES.
 No. of cylinders 4 in V —
 opposed —
 Cycle 4 Firing order 1 2 4 3
 Capacity 1650 c.c. Bore 85 m.m. Stroke 72.75 m.m.
 Maximum rebore — Resultant capacity — c.c.
 Material of cylinder block CAST IRON. Material of sleeves, if fitted —
 Distance from crankshaft centre line to top face of block at centre line of cylinders 4.812" m.m.
 Material of cylinder head CAST IRON Volume of one combustion chamber 35 c.c.
 Compression ratio 11-1
 Material of piston ALUM. No. of piston rings 2 comp. 1 scraper.
 Distance from gudgeon pin centre line to highest point of piston crown — m.m.
 Bearings { Crankshaft main bearings: Type SHELL. Dia. 2.125" m.m.
 Connecting rod big end: Type SHELL. Dia. 1.937" m.m.
 Weights { Flywheel 8.20 kg.
 Crankshaft — kg.
 Connecting rod .554 kg.
 Piston with rings .360 kg.
 Gudgeon pin .106 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 1.45" m.m. Exhaust 1.30" m.m.
 Diameter of port at valve seat: Inlet 1.25" m.m. Exhaust 1.15" m.m.
 Tappet clearance for checking timing: Inlet .023' m.m. Exhaust .023' 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°
 3/4 Maximum lift: Inlet 70° Exhaust 70°
 Valve springs: Inlet Type COIL Exhaust Type COIL.
 No. per valve 2 2
 Carburettor: Type HORIZONTAL No. fitted 2
 (up or down draft, horizontal) 40 or 45 DCOE.
 Make WEBER Model #4 or #54.
 Flange hole diameter 1 1/2" m.m. Choke diameter — m.m.
 Main jet identification No. 40 or 45 mm

Air filter: Type..... No. fitted.....
 Inlet manifold:
 Diameter of flange hole at carburettor..... $1\frac{1}{2}''$ m.m.
 Diameter of flange hole at port..... $1.28''$ 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..... $1\frac{1}{4}''$ m.m.
 Diameter of flange hole at connection to silencer inlet pipe..... $2''$ 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..... SU...... No. fitted..... 1.
 Method of operation..... ELECTRIC.
 Type of ignition system..... BATTERY + COIL...... coil or magneto
 Make of ignition..... LUCAS...... Model..... —
 Method of advance and retard..... AUTO.
 Make of ignition coil..... LUCAS...... Model..... LA 12.
 No. of ignition coils..... 1..... Voltage..... 12
 Make of dynamo..... LUCAS...... Model..... C.39. PVR/2
 Voltage of dynamo..... 12...... Maximum output..... 25 amps.
 Make of starter motor..... LUCAS...... Model..... M 35 G.
 Battery: No. fitted..... 1..... Voltage..... 12...... Capacity..... 34 amp. hour
 Oil Cooler (if fitted) type..... ALLOY..... Capacity..... 1 pints

Make TURNER 1600 Model F.I.A. Recognition No.

Manufacturers Reference No. of Application 1600

TRANSMISSION

Make of clutch Type DIAPHRAM.

Diameter of clutch plate 7 1/4" No. of plates 1

Method of operating clutch HYDRAULIC.

Make of gearbox FORD Type 1500 ALL SYNCHRO.

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>2.917-1</u>		<u>2.51-1</u>					
2.	<u>1.697-1</u>		<u>1.697-1</u>					
3.	<u>1.28-1</u>		<u>1.28-1</u>					
4.	<u>1-1.</u>		<u>1-1</u>					
5.								

Type of final drive HYPOID.

Type of differential ZF.

Final drive ratio ~~3.78~~ Alternatives 4.2-1. 4.55-1. 4.875-1

No. of teeth 11-41. 5.125-1.

Overdrive ratio, if fitted —

WHEELS

Type WIRE. Weight kg.

Method of attachment KNOCK ON HUB CAPS.

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 1/2"	—
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.
Width	2" m.m.	1 1/2" m.m.
Total area per brake	889. ins. m.m. ²	11.625 sq. m.m. ²

SUSPENSION

	Front	Rear
Type	DOUBLE WISHBONE	TRAILING ARM.
Type of spring	COIL	TORSION BAR.
Is stabiliser fitted?	YES	NO.
Type of shock absorber	TELESCOPIC	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 gal. litres Sump..... 19 gal. litres

Radiator..... 1 1/2 gal. 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..... 31'-9 1/2" cm. Rear..... 31'-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 cent. 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:—

MAG. ALLOY WHEELS.

15" Tyres.

SU. H4 CARBS.

~~WEBER~~ ~~40-45~~ ~~DOE~~ CARBS.

~~3.187" dia~~ ~~Pistons.~~ ~~9mm.~~ ~~1478cc.~~

PENDEFORD AIRPORT
WOLVERHAMPTON
ENGLAND



TELEPHONE
FORDHOUSES
3 2 2 3

TURNER SPORTS CARS (Wolverhampton) LTD.

Directors :
J. H. TURNER (Managing)
J. H. WEBB

SPORTS CAR MANUFACTURERS

Your Ref.

Our Ref.

Name of Manufacturer *Turner Sports Cars (WTON) LTD*

Name of Model *1600*

Manufacturer's Reference
No. of Application. *1600*

We certify that in excess of *100* cars identical with the basic specification stated in this application were completed on *APRIL 19* (date) *1963* Production commenced on *OCT 1* (date) *1962* Cars conforming to this specification may be identified by

Chassis Nos. *62/— 63/—*

Engine Nos. *S. —*

Signature *J. H. Turner*

Official Designation *Managing Director*

David
Works Foreman

Sent
25.4.67

/JMH/9048

30th July, 1963.

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

Dear Mr. Turner,

✓ Turner Ford 1600 - No. 102
Turner Climax 1100 - No. 120

Further to my letter dated the 22nd May we have met with considerable trouble in trying to obtain an original stamped copy of the form of recognition from the C.S.I. and it now appears that these must have been lost in the recent postal strike in France.

The position is, therefore, that we have one original copy on our files from which we can take copies for competitors and have no alternative but to enclose herewith a photostat copy signed by Monsieur Schroeder for the C.S.I. which should be kept on your records.

Yours sincerely,

no actual stamp.

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