ENGINE

in line Yes

No. of cylinders 4 in V –

opposed –

Cycle 4 Firing order 1.3.4.2

Capacity 1991 c.c. Bore 83 m.m. Stroke 92 m.m.

Maximum rebore 1 mm. Resultant capacity 1995 c.c.

Material of cylinder block C.I. Material of sleeves, if fitted C.I.

Distance from crankshaft centre line to top face of block at centre line of cylinders 255.5 m.m.

Material of cylinder head Aluminium Volume of one combustion chamber 56 c.c.

Compression ratio 10 : 1

Material of piston Aluminium alloy No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown 50 m.m.

Bearings
- Crankshaft main bearings: Type D2 Dia. 63 m.m.
- Connecting rod big end: Type Three layer Dia. 53 m.m.

Weights
- Flywheel 9.9 kg.
- Crankshaft 19 kg.
- Connecting rod .9 kg.
- Piston with rings .51 kg.
- Gudgeon pin .127 kg.

No. of valves per cylinder 2 Method of valve operation Push rod

No. of camshafts 1 Location of camshafts Side

Type of camshaft drive Chain

		Inlet		Exhaust	
Diameter of valves:		45	m.m.	37	m.m.
Diameter of port at valve seat:		42	m.m.	35	m.m.
Tappet clearance for checking timing:		.43	m.m.	.43	m.m.
Valves open:		43° B.T.D.C.		76° B.B.D.C.	
Valves close:		76° A.B.D.C.		43° A.T.D.C.	
Maximum valve lift:		10.16	m.m.	10.16	m.m.
Degrees of crankshaft rotation from zero to—					
Maximum lift:		104°		104°	
¾ Maximum lift:		60°		60°	
Valve springs:		*Inlet*		*Exhaust*	
	Type	Coil		Coil	
	No. per valve	2		2	

Carburettor: Type Horizontal No. fitted 2

(up or down draft, horizontal)

Make Weber Model 45 DCOE 9

Flange hole diameter 45.5 m.m. Choke diameter 38 m.m.

Main jet identification No. 130