

Engine & Cooling

Fuel

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Electrical

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling system205, 1.01988 to 1992

Type	TU9A/(K) (C1A) (33kW)	
Capacity (cm³) / number of cylinders	954 / 4	
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	1.5 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	1.0

Fuel system205, 1.01988 to 1992

Idle speed - manual [auto]	rpm	700±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.8 to 1.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex/Weber	
Type / ref	S: 32PBISA16. W: 32IBSH16	
Main jet / needle	S: 127.5±2.5. W: 132	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[E 95 RON]

Ignition system205, 1.01988 to 1992

Type	Electronic	
Ignition coil		
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8 BTDC @ 700
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C040-D028
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	6 to 8 @ 1000
	° Crankshaft @ rpm	18 to 24 @ 2600
	° Crankshaft @ rpm	26 to 30 @ 4400
Vacuum range check	mbar	215 to 475
Maximum vacuum advance	° Crankshaft	7 to 9
Spark plugs	Bosch/Champion	
Type	F7DCOR / C9YCX	
Electrode gap	mm	0.80

Electrical system205, 1.01988 to 1992

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm	13.8 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear205, 1.01988 to 1992

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	_

Tyres		
Saloon	Size	135x13: 135/70x13: 145x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5 PW
Camber	0±30'	
Castor	+3°±30'	
King pin inclination	+9°45'±30'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.7±0.8 PW
Camber	-50'±30'	

Torque wrench settings205, 1.01988 to 1992

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 240°
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	WSM
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	265
Rear hubs	Nm	215
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

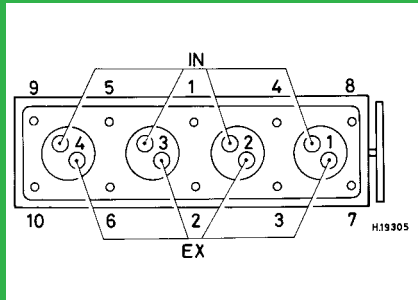
Capacities205, 1.01988 to 1992

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.8
Fuel tank	litres	50

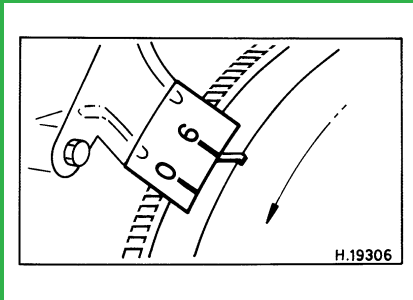
Notes and Illustrations



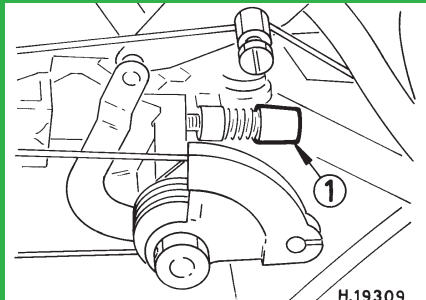
1: Idle speed 2: CO / Mixture



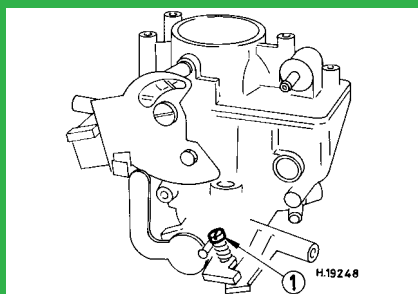
954 cm³, TU9



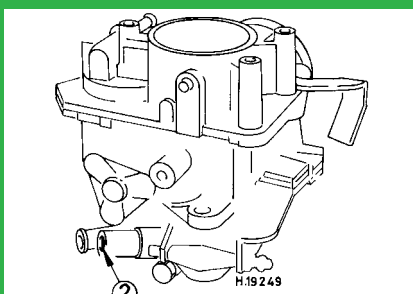
954 cm³, TU9



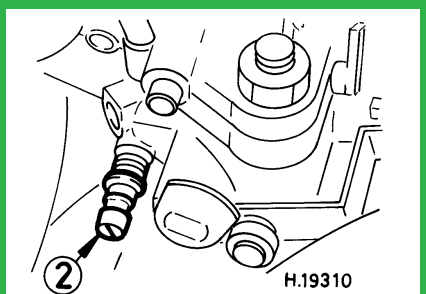
Weber 32 IBSH



Solex 32 PBISA 16



Solex 32 PBISA 16



Weber 32 IBSH