

CITROËN

AX 10 & 1.0

1987 to 1992

Engine & Cooling

Fuel

Ignition

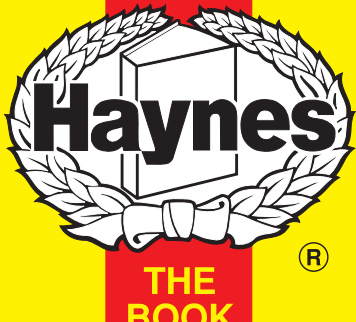
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

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HELP

Engine and cooling system

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Type	TU9 (C1A) 33kW	
Capacity (cm ³) / number of cylinders	954 / 4	
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	[4.0]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	1.0. 92 ►: 1.4

Fuel system

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Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥9.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Weber/Solex	
Type / ref	W:32 IBSH. S: 32 PBISA 16 412	
Main jet / needle	W: 122. S: 127	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	98[E 98 RON]

Ignition system

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Type	Electronic - Hall effect	
Ignition coil	BTR 02. 91 ►: BTR 05	
Primary resistance	ohms	0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8±2 BTDC @ 750
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C040-D028
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1500
	° Crankshaft @ rpm	12 to 16 @ 3000
	° Crankshaft @ rpm	18 to 22 @ 4400
Vacuum range check	mbar	140 to 480
Maximum vacuum advance	° Crankshaft	14 to 18
Spark plugs	Bosch/Champion	
Type	F7DCOR / C10YCC	
Electrode gap	mm	0.80

Electrical system

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Battery	V / CC / RC	12 / 150 / 25
Alternator voltage / full load current / engine rpm	13.5 / 50 / 3650	
Starter motor current / voltage - cranking	A / V	105 / 12
- locked	A / V	220 / _

Running gear

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Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

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

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.0±1.5
Camber	0+30'	
Castor	+2°15'±30'	
King pin inclination	+12.58°	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.8 to 5.4
Camber	-1°15'±20'	

Torque wrench settings

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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	20 + 45°
Clutch cover	Nm	13
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	250
Rear hubs	Nm	140
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

Capacities

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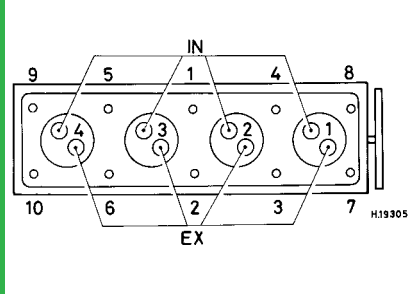
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	4.8
Fuel tank	litres	36

Notes and Illustrations

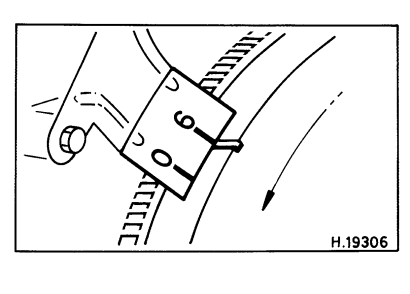


1: Idle speed

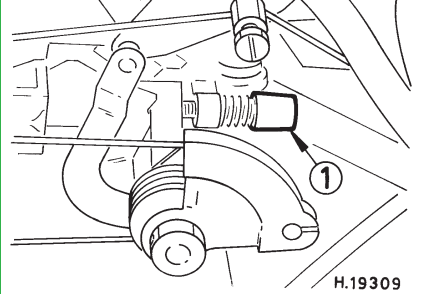
2: CO / Mixture



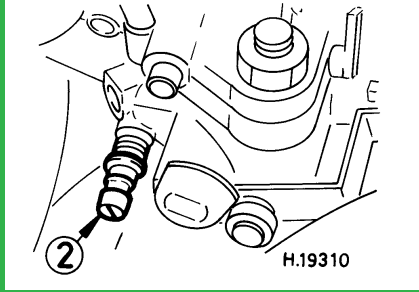
954 cm³



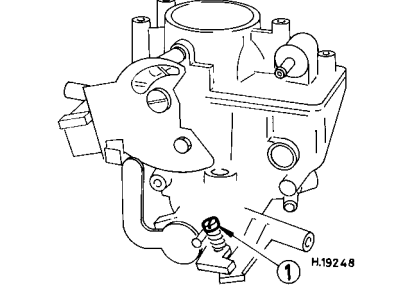
954 cm³



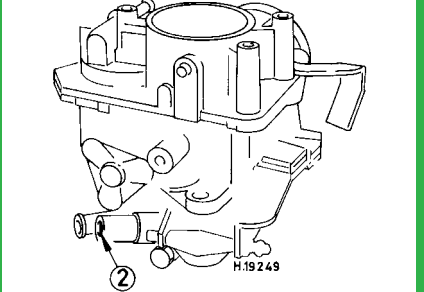
Weber IBSH



Weber IBSH



Solex PBISA



Solex PBISA