

CITROËN

C15E 954 Van

1988 to 1995

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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Engine and cooling system

C15E 954 Van

1988 to 1995

Type	TU9/K (C1A) 32.5kW	
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

Fuel system

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1988 to 1995

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	_
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Weber/Solex	
Type / ref	W:32 IBSH. S: 32 PBISA 412	
Main jet / needle	W: 122. S: 127	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[E 95 RON]

Ignition system

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Type	Electronic - Hall effect	
Ignition coil	Ducellier. Marelli BTR 02	
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	Eyquem/Champion	
Type	FC52LS / C9YCX	
Electrode gap	mm	0.60 to 0.70

Electrical system

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Battery	V / CC / RC	12 / 175 / 29
Alternator voltage / full load current / engine rpm	13.8 to 14.5 / _ / 1800	
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	_
Estate / Van	Size	145x13
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.3 / 2.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0
Camber	+37'±30'	
Castor	+57'±30'	
King pin inclination	+8°39'±30'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.6 to 5.0
Camber	-9'±20'	

Torque wrench settings

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1988 to 1995

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	15
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	250
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	60 to 80
Spark plugs	Nm	25

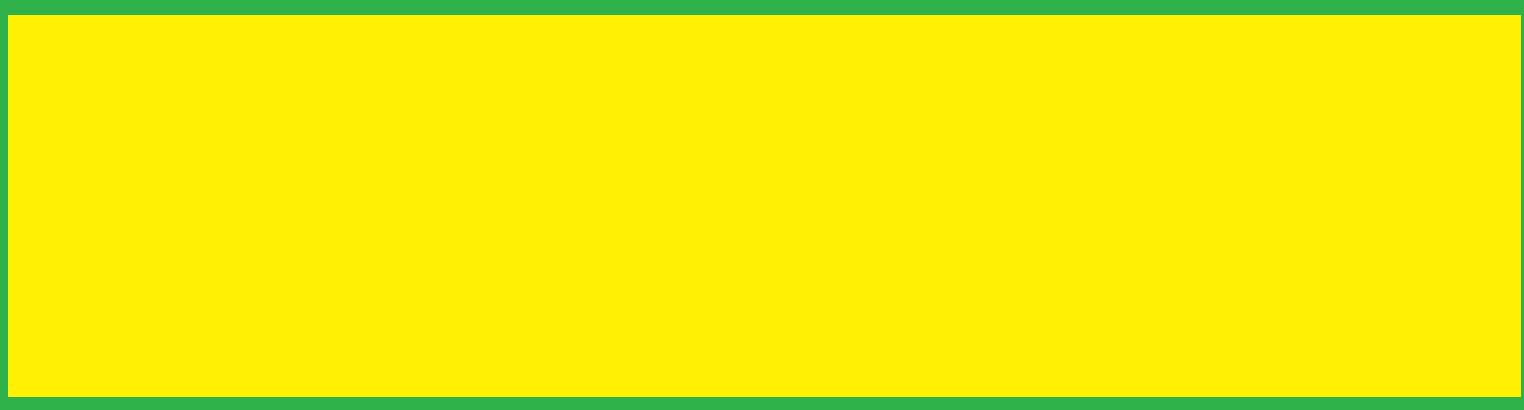
Capacities

C15E 954 Van

1988 to 1995

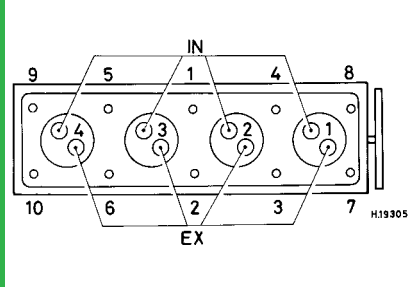
Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	47

Notes and Illustrations

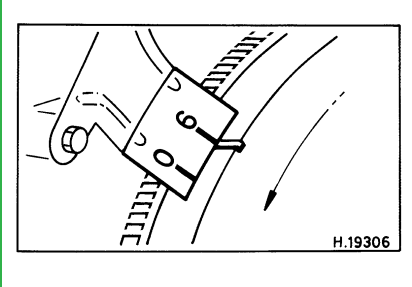


1: Idle speed

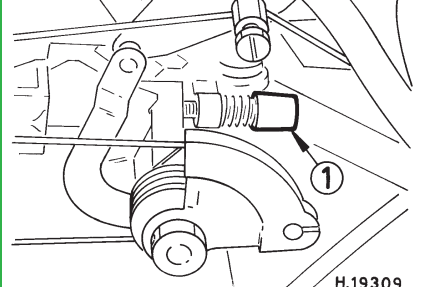
2: CO / Mixture



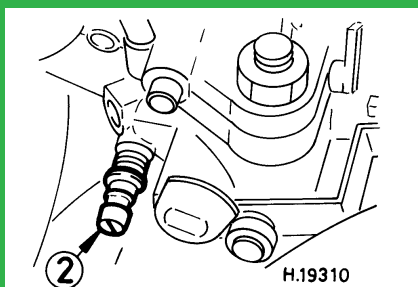
954 cm³



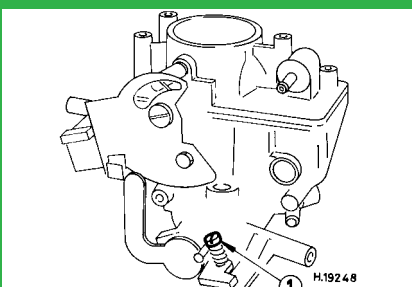
954 cm³



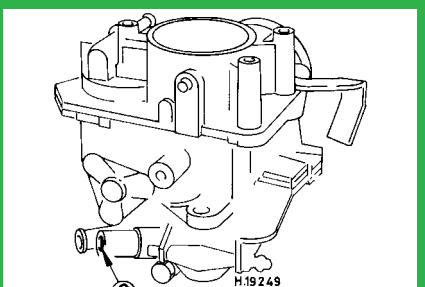
Weber IBSH



Weber IBSH



Solex PBISA



Solex PBISA