

Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

Espace 2.0i (J116)

1988 to 1991

Type		J7R-E7-60
Capacity (cm³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	≥0.8 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10 to 0.15
Valve clearance - exhaust	mm	0.20 to 0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	81
Radiator cap pressure	bar	1.2

Fuel system

Espace 2.0i (J116)

1988 to 1991

Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bendix
Type / ref		Renix MPI
Main jet / needle		_
Injection pressure	bar	2.0±0.2
Pump pressure	bar	2.5±0.2
Octane rating	RON	98[E] ¹

Ignition system

Espace 2.0i (J116)

1988 to 1991

Type		Computerized
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Renix
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Champion
Type		S6YC
Electrode gap	mm	0.75 to 0.85

Electrical system

Espace 2.0i (J116)

1988 to 1991

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	400 / _

Running gear

Espace 2.0i (J116)

1988 to 1991

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing²

Tyres		
Saloon	Size	_
Estate / Van	Size	185/65x14:195/65x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.4 / 2.1³

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-4.0±2.0
Camber		+20'±30' N/A
Castor		+3°25'±20'
King pin inclination		+13°±30' N/A

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 4.0 N/A
Camber		0±30' N/A

Torque wrench settings

Espace 2.0i (J116)

1988 to 1991

Cylinder head - stage 1	Nm	50
- stage 2	Nm	80
Cylinder head - stage 3	Nm	- 180°
- stage 4	Nm	88 to 98
Big-end bearings	Nm	45 to 50
Main bearings	Nm	88 to 98
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60
Front hubs	Nm	250
Rear hubs	Nm	160. 4x4: 210
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

Capacities

Espace 2.0i (J116)

1988 to 1991

Engine oil & filter	litres	6.5
Gearbox - 4-speed [5-speed]	litres	2.2. 4x4: 2.4
Automatic transmission - refill	litres	_
Final drive	litres	4x4: 1.2
Cooling system	litres	7.2
Fuel tank	litres	63. 4x4: 58

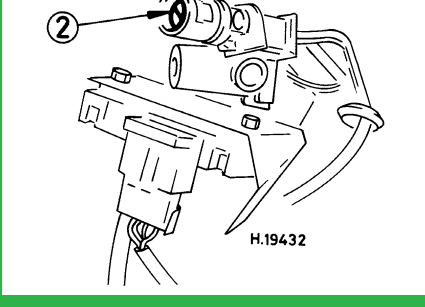
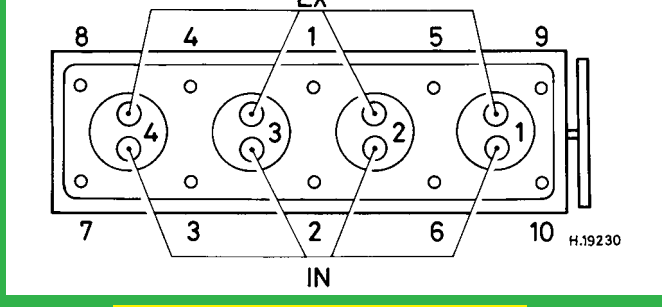
Notes and Illustrations

¹[E 98 RON]. 1.89 ►: [E 95 RON]

²4x4: 6.0 with backing

³195/65x14: 1.9 / 1.7. 4x4: 2.0 / 1.7. 2000-1: 1.9 / 1.8

1: Idle speed2: CO / Mixture



1995 cm³, 8V

Renix