

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.

MENU

HELP

Engine and cooling system

Espace 2.0i CAT (J636)

1991 to 1996

Type		J7R-7-68 78kW
Capacity (cm³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.2 / _
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	88
Radiator cap pressure	bar	1.2

Fuel system

Espace 2.0i CAT (J636)

1991 to 1996

Idle speed - manual [auto]	rpm	775±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
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	95[U]

Ignition system

Espace 2.0i CAT (J636)

1991 to 1996

Type		Computerized
Ignition coil		Bendix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control N/A
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		Eyquem/Champion
Type		C52LJS / S281YC
Electrode gap	mm	0.85 to 0.95

Electrical system

Espace 2.0i CAT (J636)

1991 to 1996

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		13.5 / 70, 105 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	350 / _

Running gear

Espace 2.0i CAT (J636)

1991 to 1996

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

Tyres		
Saloon	Size	_
Estate / Van	Size	195/65x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.2 / 1.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-4.5±0.7
Camber		+8'±30' N/A
Castor		+4°24'±20'
King pin inclination		+12°45'±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 CAT (J636)

1991 to 1996

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
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

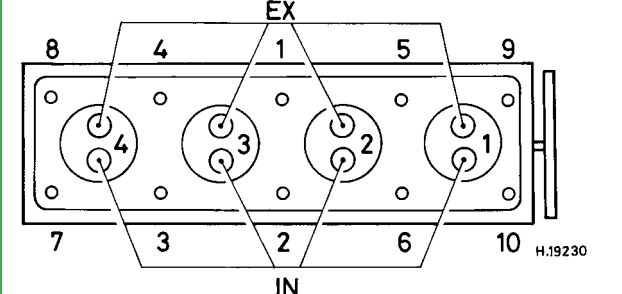
Capacities

Espace 2.0i CAT (J636)

1991 to 1996

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.4
Fuel tank	litres	77

Notes and Illustrations



1995 cm³, 8V