

PEUGEOT-TALBOT

J5, Express & Sportsman 2.0

1985 to 1994

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

J5, Express & Sportsman 2.0

1985 to 1994

Type		XN1T (170B) (58kW)
Capacity (cm³) / number of cylinders		1971 / 4
Compression ratio / pressure	bar	8.0 / _
Oil pressure	bar	2.7 [3.8]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.9

Fuel system

J5, Express & Sportsman 2.0

1985 to 1994

Idle speed - manual [auto]	rpm	800 to 850
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0 to 2.0
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
Type / ref		34 PBISA16 (PEU A315)
Main jet / needle		130±5
Injection pressure	bar	_
Pump pressure	bar	0.32
Octane rating	RON	87[R]

Ignition system

J5, Express & Sportsman 2.0

1985 to 1994

Type		Electronic
Ignition coil		_
Primary resistance	ohms	0.82
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	M130E
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	7 to 11 @ 1000
	° Crankshaft @ rpm	25 to 29 @ 3000
	° Crankshaft @ rpm	34 to 38 @ 5000
Vacuum range check	mbar	160 to 400
Maximum vacuum advance	° Crankshaft	18 to 22
Spark plugs		Bosch/Champion
Type		W7DC / N281YC
Electrode gap	mm	0.65

Electrical system

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1985 to 1994

Battery	V / CC / RC	12 / 255 / 85
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	330 to 400 / _

Running gear

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1985 to 1994

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

Tyres		
Saloon	Size	_
Estate / Van	Size	165x14: 185x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	4.1 / 4.5¹

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-0.5±1.0²
Camber		+2°20'±30'
Castor		+30'±30'
King pin inclination		+11°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		0

Torque wrench settings

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1985 to 1994

Cylinder head - stage 1	Nm	50, then slacken³
- stage 2	Nm	20 + 90°³
Cylinder head - stage 3	Nm	Warm up & cool, slacken³
- stage 4	Nm	20 + 90°³
Big-end bearings	Nm	40
Main bearings	Nm	75
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	68
Front hubs	Nm	500
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	160
Spark plugs	Nm	25

Capacities

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1985 to 1994

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	70

Notes and Illustrations

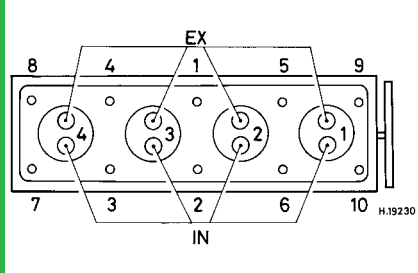
¹185x14: 3.9 / 4.8. 87 ►: 3.7 / 4.5. 185x14: 4.3 / 4.5

²Bare chassis: -2.0±1.0

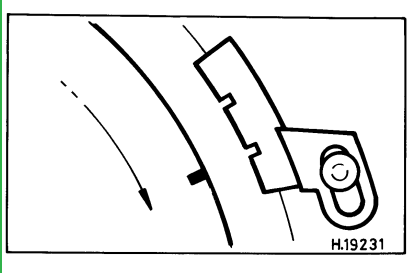
³Engine 031 999 ►: 50, slacken, then 20 + 180°. Warm up, + 35°

1: Idle speed

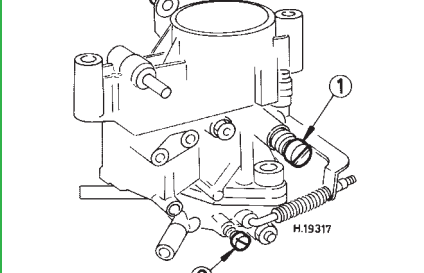
2: CO / Mixture



1971 cm³



1971 cm³



Solex PBISA