



HELP

Type	J5R-7-18 or J5R-7-28
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Capacity (cm ³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	8.1 / –
Oil pressure	bar	0.8 [3.0]
Oil temperature	°C	80
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	–
Radiator cap pressure	bar	0.8 to 1.2

Fuel system	Master P35 rwd	1986 to 1991
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Idle speed - manual [auto]	rpm	800±25. 901: 800±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	2.0±1.0. 901: 1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Solex
Type / ref		35SEIA 824 / 712 / 901
Main jet / needle		135. 824: 130
Injection pressure	bar	—
Pump pressure	bar	0.27 to 0.32
Octane rating	RON	96[R] ¹

Ignition system	Master P35 rwd	1986 to 1991
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Type		Electronic
Ignition coil		—
Primary resistance	ohms	—
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±1 BTDC @ 800
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE250
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	10 to 12 @ 750
	° Crankshaft @ rpm	10 to 13 @ 1550
	° Crankshaft @ rpm	37 to 40 @ 4050
Vacuum range check	mbar	0 to 300
Maximum vacuum advance	° Crankshaft	≥8
Spark plugs		Champion
Type		N281YC
Electrode gap	mm	0.90±0.05

Electrical system		Master P35 rwd	1986 to 1991
Engine	1.6 CC 1500	1.6 CC 1500	

Battery	V / CC / RC	12 / 255 / 85
Alternator voltage / full load current / engine rpm		12.5 to 15.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	_

Running gear	Master P35 rwd	1986 to 1991
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Brakes -

Front (min. friction material thickness)	mm	9.0 with backing
Rear (min. friction material thickness)	mm	3.0 with backing

Tyres	
Season	Size

Saloon	Size	—
Estate / Van	Size	205x16: 215x16
Pressure - front / rear - Saloon	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.2±1.2
Camber		+1°±30'
Castor		+3°30'±30'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	—
Camber		

Torque wrench settings	Master P35 rwd	1986 to 1991
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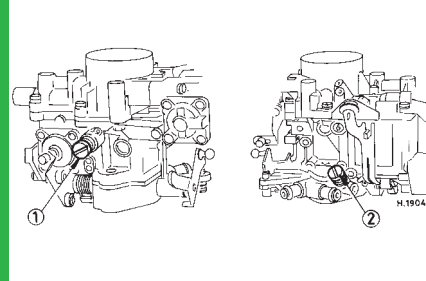
Torque wrench settings		Master / 60 Nm	Slave / 100 Nm
Cylinder head - stage 1	Nm	88 to 98	
- stage 2	Nm	—	
Cylinder head - stage 3	Nm	—	
- stage 4	Nm	—	
Big-end bearings	Nm	45 to 50	
Main bearings	Nm	88 to 98	
Clutch cover	Nm	25	
Flywheel [driveplate]	Nm	55 to 60	
Front hubs	Nm	840	
Rear hubs	Nm	WSM	
Wheel nuts / bolts	Nm	160	

Capacities	Master P35 rwd	1986 to 1991
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Supplies		Master 1.6i 1700	1990 to 1991
Engine oil & filter	litres	5.5	
Gearbox - 4-speed [5-speed]	litres	1.6	
Automatic transmission - refill	litres	–	
Final drive	litres	3.0	
Cooling system	litres	14.0	

Notes and Illustrations

89 ▶: [E 95 RON]



Solex 35 SEIA