

Engine & Cooling

Fuel

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Automotive Technical
DATA BOOK

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Engine and cooling systemB2000 Pick-up1985 to 1994

Type		FE. SOHC
Capacity (cm ³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	8.6 / ≥8.1
Oil pressure	bar	[3.0 to 3.9]
Oil temperature	°C	—
Valve clearance - inlet	mm	0.30 H
Valve clearance - exhaust	mm	0.30 H
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	86.5 to 89.5
Radiator cap pressure	bar	0.8 to 1.0

Fuel systemB2000 Pick-up1985 to 1994

Idle speed - manual [auto]	rpm	800 to 850
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	2.0±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		—
Type / ref		2V
Main jet / needle		109, 155
Injection pressure	bar	—
Pump pressure	bar	0.26 to 0.32
Octane rating	RON	92[R]

Ignition systemB2000 Pick-up1985 to 1994

Type		Contact breaker - CIS
Ignition coil		—
Primary resistance	ohms	1.5
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	0.45 to 0.55
Dwell angle	° (%)	49 to 55
Condenser capacity	µF	0.20 to 0.24
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ 800
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0±2 @ 1100
	° Crankshaft @ rpm	9 to 13 @ 2500
	° Crankshaft @ rpm	18 to 22 @ 4400
Vacuum range check	mbar	160 to 293
Maximum vacuum advance	° Crankshaft	8 to 12
Spark plugs		NGK/Champion
Type		BPR6ES / RN9YC
Electrode gap	mm	0.75 to 0.85

Electrical systemB2000 Pick-up1985 to 1994

Battery	V / CC / RC	12 / 170 / 90
Alternator voltage / full load current / engine rpm		14.0 to 15.0 / _ / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	—

Running gearB2000 Pick-up1985 to 1994

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	—
Estate / Van	Size	6.00 / 6.50 / 6.70x14: 185x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1.8 / 2.4

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0 to +6.0
Camber		+25' to 1°15'
Castor		+5' to 1°35' PAS:1°5' to 2°35'
King pin inclination		+8°15'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settingsB2000 Pick-up1985 to 1994

Cylinder head - stage 1	Nm	80 to 87
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	49 to 54
Main bearings	Nm	83 to 88
Clutch cover	Nm	22 to 33
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	WSM
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	118 to 147
Spark plugs	Nm	15 to 23

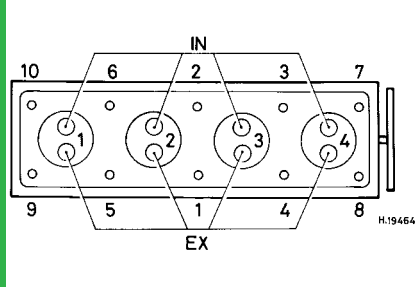
CapacitiesB2000 Pick-up1985 to 1994

Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	1.7 [2.0]
Automatic transmission - refill	litres	—
Final drive	litres	1.3
Cooling system	litres	7.5
Fuel tank	litres	Short: 56. Long:66

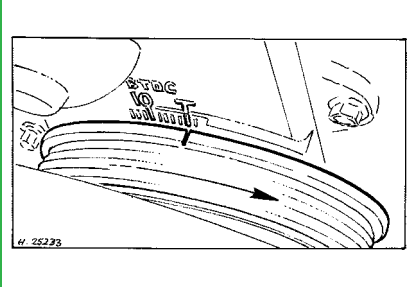
Notes and Illustrations



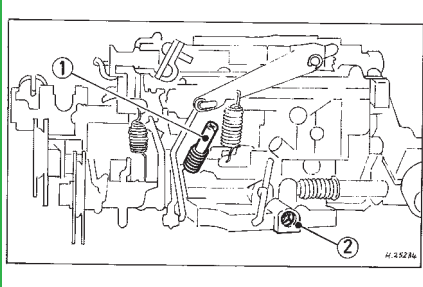
1: Idle speed 2: CO / Mixture



1998 cm³



1998 cm³



2V, 1998 cm³