

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling system

626, 1.8

1990 to 1992

Type		F8 SOHC 12V
Capacity (cm ³) / number of cylinders		1789 / 4
Compression ratio / pressure	bar	9.5 / ≥10.0
Oil pressure	bar	[3.0 to 3.9]
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	80 to 84
Radiator cap pressure	bar	1.03

Fuel system

626, 1.8

1990 to 1992

Idle speed - manual [auto]	rpm	800+50-0
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		Hitachi
Type / ref		30-34 2V downdraught
Main jet / needle		114, 145
Injection pressure	bar	—
Pump pressure	bar	0.20 to 0.26
Octane rating	RON	91[E 91 RON]

Ignition system

626, 1.8

1990 to 1992

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.03 to 1.27
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0±2 @ 1100
	° Crankshaft @ rpm	4 to 8 @ 1800
	° Crankshaft @ rpm	14 to 18 @ 5500
Vacuum range check	mbar	160 to 400
Maximum vacuum advance	° Crankshaft	11 to 15
Spark plugs		NGK
Type		BKR5E or 6E
Electrode gap	mm	0.70 to 0.80

Electrical system

626, 1.8

1990 to 1992

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / _ / 3000
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	—

Running gear

626, 1.8

1990 to 1992

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	165x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±3.0
Camber		+17'±45'
Castor		+1°13'±45'
King pin inclination		+12°47'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±3.0
Camber		-30'±45'

Torque wrench settings

626, 1.8

1990 to 1992

Cylinder head - stage 1	Nm	80 to 86
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	65 to 69
Main bearings	Nm	83 to 88
Clutch cover	Nm	22 to 32
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	235 to 319
Rear hubs	Nm	98 to 117
Wheel nuts / bolts	Nm	118
Spark plugs	Nm	15 to 23

Capacities

626, 1.8

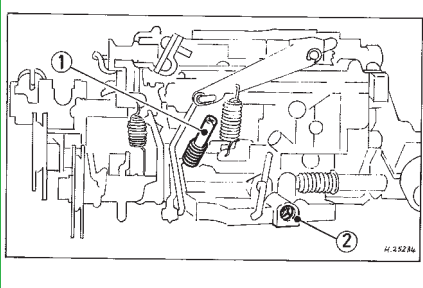
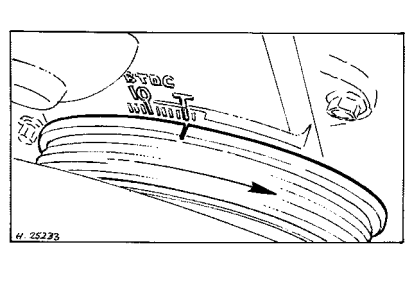
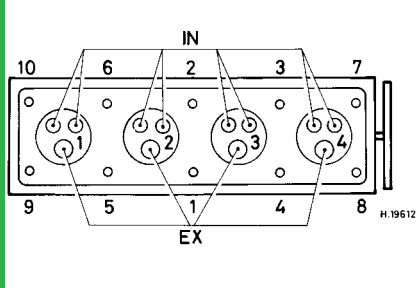
1990 to 1992

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	60

Notes and Illustrations

1: Idle speed

2: CO / Mixture



1789 cm³, 12V

1789 cm³, 12V

Hitachi 30-34