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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
CO ₂ @ idle speed [3000 rpm] - see page VI	%	–
O ₂ @ 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

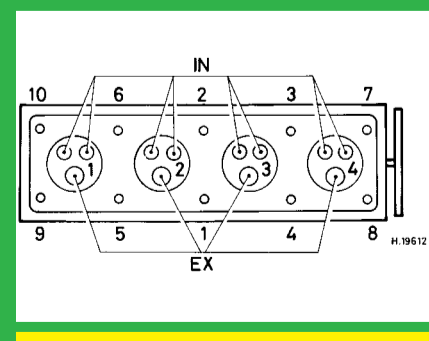
Capacities 626, 1.8 1990 to 1992

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

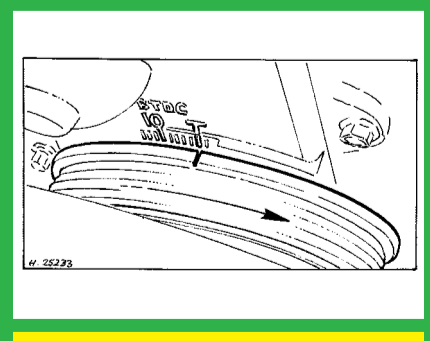
Notes and Illustrations



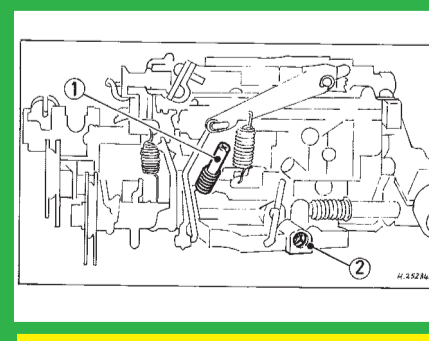
- 1: Idle speed
- 2: CO / Mixture



1789 cm³, 12V



1789 cm³, 12V



Hitachi 30-34