

Engine & Cooling

Fuel

Ignition

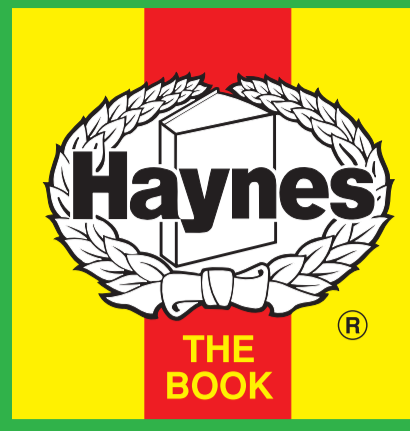
Electrical

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 960 2.5i 24V 1995 to 1997

Type	B6254F DOHC 24V. 125kW	
Capacity (cm ³) / number of cylinders	2473 / 6	
Compression ratio / pressure	bar	10.5 / 13.0 to 15.0
Oil pressure	bar	1.0 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order	1-5-3-6-2-4	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	87 to 102
Radiator cap pressure	bar	1.5

Fuel system 960 2.5i 24V 1995 to 1997

Idle speed - manual [auto]	rpm	750±20 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.4 to 0.8 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Bosch	
Type / ref	M1.8-Motronic	
Main jet / needle	—	
Injection pressure	bar	3.00
Pump pressure	bar	3.0
Octane rating	RON	95[U]

Ignition system 960 2.5i 24V 1995 to 1997

Type	Distributorless	
Ignition coil	1 coil per plug	
Primary resistance	ohms	0.5
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	Electronic control
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 750
V = Vacuum NV = No Vacuum	—	
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs	Bosch/Champion	
Type	FR6DC / RC7YCC	
Electrode gap	mm	0.70 to 0.80

Electrical system 960 2.5i 24V 1995 to 1997

Battery	V / CC / RC	Various
Alternator voltage / full load current / engine rpm	13.5 to 14.5 / 120 / _	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear 960 2.5i 24V 1995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	195/65x15
Estate / Van	Size	195/65x15
Pressure - front / rear - Saloon	bar	2.0 / 1.9
- Estate / Van	bar	1.9 / 2.1

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+18'±8']
Camber	WSM	
Castor	+6°±30'	
King pin inclination	—	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+6'±8']
Camber	WSM	

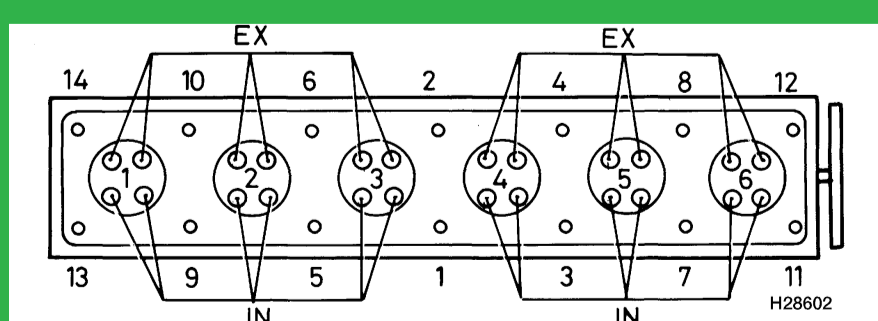
Torque wrench settings 960 2.5i 24V 1995 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	60
- stage 3	Nm	+ 130°
- stage 4	Nm	—
Big-end bearings	Nm	20 + 90°
Main bearings	Nm	110
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	45 + 65° [45 + 50°]
Front hubs	Nm	100 + 45°
Rear hubs	Nm	140 + 60°
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	25

Capacities 960 2.5i 24V 1995 to 1997

Engine oil & filter	litres	5.75
Gearbox - 4-speed [5-speed]	litres	3.0
Automatic transmission - refill	litres	3.0
Final drive	litres	1055: 1.5. 1065: 1.35
Cooling system	litres	10.7
Fuel tank	litres	80

Notes and Illustrations

2473 cm³, 24V