

Engine & Cooling

Fuel

Ignition

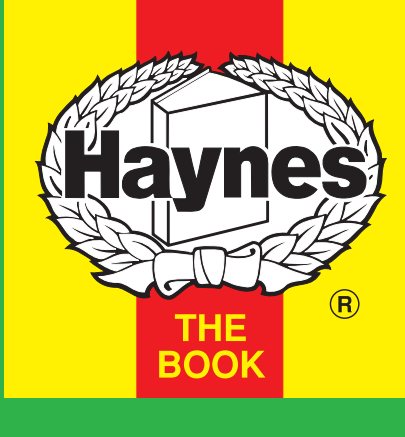
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling systemSCoupé 1.5i CAT1990 to 1992

Type		4G15 / G4J SOHC 62kW
Capacity (cm³) / number of cylinders		1468 / 4
Compression ratio / pressure	bar	9.4 / ≥11.8
Oil pressure	bar	1.5
Oil temperature	°C	90
Valve clearance - inlet	mm	0.15 H
Valve clearance - exhaust	mm	0.25 H
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.81 to 1.08

Fuel systemSCoupé 1.5i CAT1990 to 1992

Idle speed - manual [auto]	rpm	700±100
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	100
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Mitsubishi
Type / ref		ECI MPI
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	3.3
Octane rating	RON	95[U]

Ignition systemSCoupé 1.5i CAT1990 to 1992

Type		Computerized
Ignition coil		Diamond. Poon Sung. Dae Joon.
Primary resistance	ohms	0.80±0.08
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Mitsubishi
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 700 (Basic)
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	26 to 34 BTDC @ 2000
	° 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		NGK/Champion
Type		BPR6ES-11 / RN9YC4
Electrode gap	mm	1.00 to 1.10

Electrical systemSCoupé 1.5i CAT1990 to 1992

Battery	V / CC / RC	12 / 380 / 80
Alternator voltage / full load current / engine rpm		14.4 / 75 / 2500
Starter motor current / voltage - cranking	A / V	60 / 11.5 (no load)
- locked	A / V	—

Running gearSCoupé 1.5i CAT1990 to 1992

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

Tyres		
Saloon	Size	175/70x13: 185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.7 / 1.7
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+4.0 to -2.0
Camber		-10'±30'
Castor		+1°5'±30'. PAS: +1°44'±30'
King pin inclination		+13°14'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0+0.1-0.05
Camber		-14'+20'-30'

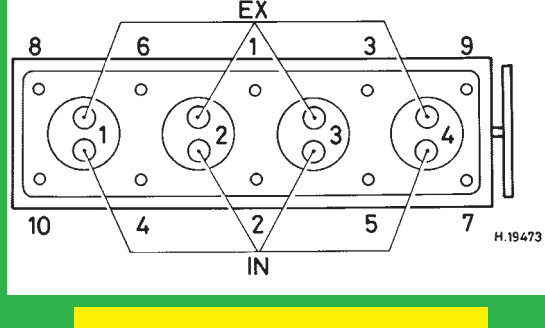
Torque wrench settingsSCoupé 1.5i CAT1990 to 1992

Cylinder head - stage 1	Nm	35
- stage 2	Nm	70 to 75 C
Cylinder head - stage 3	Nm	80 to 85 H
- stage 4	Nm	—
Big-end bearings	Nm	32 to 35
Main bearings	Nm	50 to 54
Clutch cover	Nm	15 to 22
Flywheel [driveplate]	Nm	130 to 140
Front hubs	Nm	200 to 260
Rear hubs	Nm	150 to 200
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	20 to 30

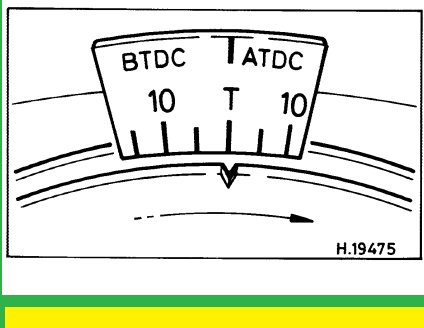
CapacitiesSCoupé 1.5i CAT1990 to 1992

Engine oil & filter	litres	3.4
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	6.1
Final drive	litres	WT
Cooling system	litres	5.3
Fuel tank	litres	45

Notes and Illustrations



1468 cm³



1468 cm³