

Engine & Cooling

Fuel

Ignition

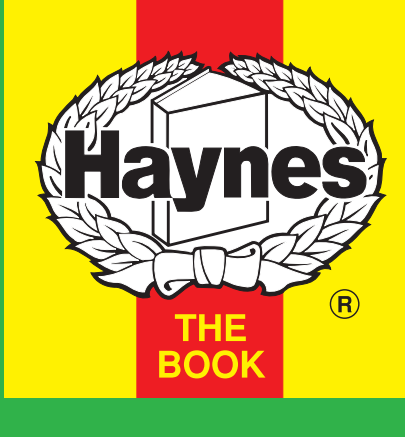
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling systemDuster1984 to 1989

Type		203-03
Capacity (cm³) / number of cylinders		1397 / 4
Compression ratio / pressure	bar	9.5 / 12.0
Oil pressure	bar	0.7 [3.7 to 4.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.20
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	87±0.5
Radiator cap pressure	bar	0.9±0.1

Fuel systemDuster1984 to 1989

Idle speed - manual [auto]	rpm	750 to 800
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	—
HC @ idle speed [3000 rpm] - see page VI	ppm	—
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Carfill
Type / ref		32 IMR 2A
Main jet / needle		155
Injection pressure	bar	—
Pump pressure	bar	0.26
Octane rating	RON	98[L]

Ignition systemDuster1984 to 1989

Type		Contact breaker - CIS
Ignition coil		IAEA
Primary resistance	ohms	3.5
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		IEPS Sacele ¹
Points gap (air gap)	mm	0.40
Dwell angle	° (%)	57±3
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	3 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	12 BTDC @ idle
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 to 5 @ 1000
	° Crankshaft @ rpm	22 to 31 @ 3000
	° Crankshaft @ rpm	32 to 37 @ 5000
Vacuum range check	mbar	133 to 467
Maximum vacuum advance	° Crankshaft	9 to 14
Spark plugs		NGK/Champion
Type		BP6ES / L87YC
Electrode gap	mm	0.60

Electrical systemDuster1984 to 1989

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm		—
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gearDuster1984 to 1989

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

Tyres		
Saloon	Size	—
Estate / Van	Size	175x14
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1.5 / 1.9

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+1.5 to 5.0
Camber		+1°30'±30'
Castor		+2°±30'
King pin inclination		—

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

Torque wrench settingsDuster1984 to 1989

Cylinder head - stage 1	Nm	55 to 65 C
- stage 2	Nm	75 H
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	40 to 45
Main bearings	Nm	55 to 65
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	50 N
Front hubs	Nm	—
Rear hubs	Nm	—
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	—

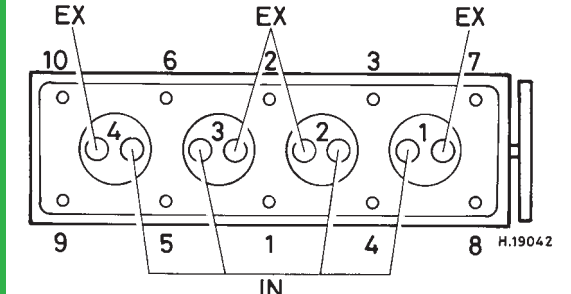
CapacitiesDuster1984 to 1989

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.4 ²
Automatic transmission - refill	litres	—
Final drive	litres	Front: 0.8. Rear:1.4
Cooling system	litres	7.1
Fuel tank	litres	46

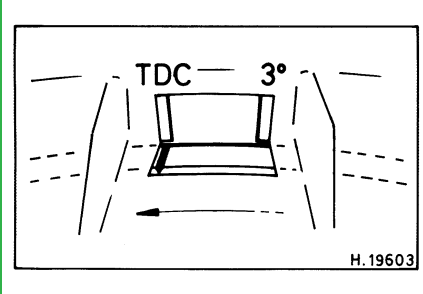
Notes and Illustrations

¹Distributor type: 3239

²Transfer box: 0.8



1397 cm³



1397 cm³