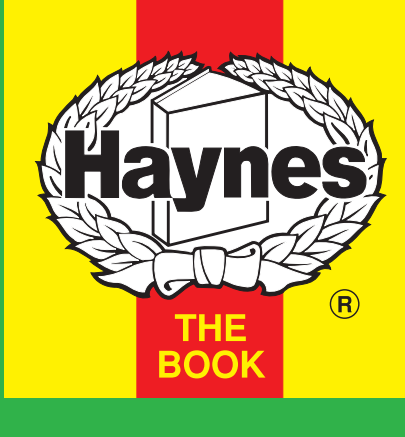




Automotive Technical

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

280i & Tasmin

1980 to 1988

Type		PRC V6
Capacity (cm ³) / number of cylinders		2792 / 6
Compression ratio / pressure	bar	9.2 / ≥11.5
Oil pressure	bar	1.0 [2.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.36
- exhaust	mm	0.41
Firing order		1-4-2-5-3-6
No 1 cylinder position		FR
Thermostat opening temperature	°C	79 to 83
Radiator cap pressure	bar	1.0

Fuel system

280i & Tasmin

1980 to 1988

Idle speed - manual [auto]	rpm	900±25
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.25±0.25
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		Bosch
Type / ref		K-Jetronic
Main jet / needle		—
Injection pressure	bar	3.2 to 3.6
Pump pressure	bar	5.1±0.4
Octane rating	RON	97[L]

Ignition system

280i & Tasmin

1980 to 1988

Type		Electronic
Ignition coil		Bosch 0221 122 017
Primary resistance	ohms	1.2±0.1
Ballast resistor	ohms	1.1
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Motorcraft/Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ 900
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	5.5 @ 1200
	° Crankshaft @ rpm	14.4 to 21.3 @ 3000
	° Crankshaft @ rpm	22 to 30 @ 5100
Vacuum range check	mbar	100 to 233
Maximum vacuum advance	° Crankshaft	10±2
Spark plugs		Motorcraft/Champion
Type		AGR22C / RN7YC
Electrode gap	mm	0.76

Electrical system

280i & Tasmin

1980 to 1988

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		13.7 to 14.6 / _ / 3000
Starter motor current / voltage - cranking	A / V	55 to 75 / 12.0
- locked	A / V	400 to 600 / 7.0

Running gear

280i & Tasmin

1980 to 1988

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

Tyres		
Saloon	Size	205/60x14: 205/60x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.5 / 1.7
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.2±1.5
Camber		0±0.5°
Castor		+3.5°±0.5°
King pin inclination		+6°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+4.5±1.5
Camber		+0.5°±0.5°

Torque wrench settings

280i & Tasmin

1980 to 1988

Cylinder head - stage 1	Nm	39 to 54
- stage 2	Nm	54 to 69
- stage 3	Nm	88 to 108 ¹
- stage 4	Nm	88 to 108 ²
Big-end bearings	Nm	26 to 33
Main bearings	Nm	89 to 104
Clutch cover	Nm	19
Flywheel [driveplate]	Nm	65 to 71
Front hubs	Nm	WSM
Rear hubs	Nm	271
Wheel nuts / bolts	Nm	95
Spark plugs	Nm	30 to 40

Capacities

280i & Tasmin

1980 to 1988

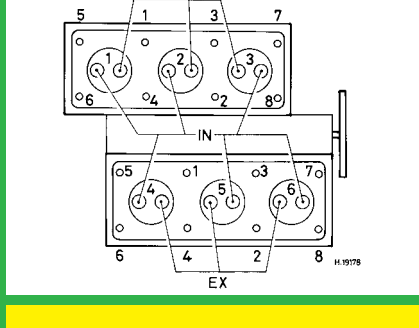
Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	2.0 [1.6]
Automatic transmission - refill	litres	—
Final drive	litres	1.4
Cooling system	litres	10.8
Fuel tank	litres	61

Notes and Illustrations

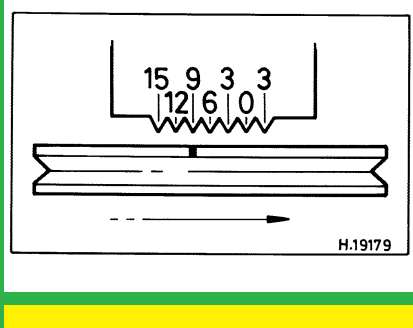
¹After 10 minutes

²After warm up

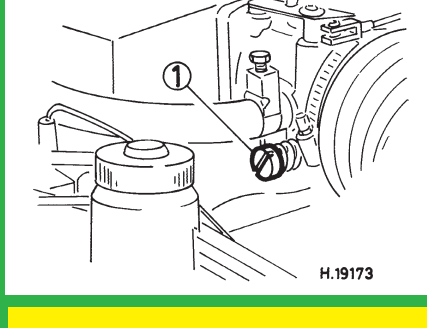
1: Idle speed 2: CO / Mixture



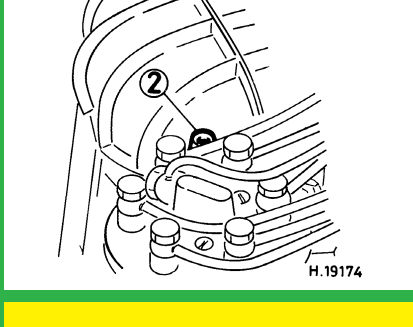
2792 cm³



2792 cm³



K-Jetronic



K-Jetronic