Haynes THE BOOK

Automotive Technical DATA BOOK

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MENU HELP

Engine and cooling system

155, 2.0 T-Spark 1996 to 1997

Type		AR 672.04 DOHC 16V 112kW
Capacity (cm³) / number of cylinders		1970 / 4
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	1.5 [5.0]
Oil temperature	ºC	90
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	ºC	87±2
Radiator cap pressure	bar	0.98±0.1

Fuel system

155, 2.0 T-Spark 1996 to 1997

Idle speed - manual [auto]	rpm	700±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤50
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		M2.10.3-Motronic
Main jet / needle		_
Injection pressure	bar	2.8 to 3.2
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

Ignition system

155, 2.0 T-Spark 1996 to 1997

Type		Direct electronic
Ignition coil		Bosch
Primary resistance	ohms	0.20 to 0.40
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		NGK
Type		PFR6B
Electrode gap	mm	

Electrical system

155, 2.0 T-Spark 1996 to 1997

Battery	V / CC / RC	12 / 45, 60Ah / 320
Alternator voltage / full load current / engine rpm		14.0 / 100 / 3000
Starter motor current / voltage - cranking	A / V	
- locked	A / V	

Running gear

155, 2.0 T-Spark 1996 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	195/55x15: 205/50x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.0
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	0±1.0
Camber		-20'±20' U/L
Castor		+3°30'±20' U/L
King pin inclination		+11°30'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+0.5±2.0 U/L
Camber		-1°±15' U/L

Torque wrench settings

155, 2.0 T-Spark 1996 to 1997

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90° + 90°
Big-end bearings	Nm	44 to 53 oiled
Main bearings	Nm	96 to 119
Clutch cover	Nm	20 to 25
Flywheel [driveplate]	Nm	121 to 149
Front hubs	Nm	67 to 74 + 62°
Rear hubs	Nm	226 to 294
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	Large: 25 to 35.Small: 10 to12

Capacities

155, 2.0 T-Spark 1996 to 1997

Engine oil & filter	litres	4.4
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.3
Fuel tank	litres	63

Notes and Illustrations

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