

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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## Automotive Technical DATA BOOK

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### Engine and cooling system 405, 1.4 1989 to 1990

Type	TU3 (K1A) SOHC 47kW	
Capacity (cm <sup>3</sup> ) / number of cylinders	1360 / 4	
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	1.5 [4.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	88 to 100
Radiator cap pressure	bar	1.0

### Fuel system 405, 1.4 1989 to 1990

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.8 to 1.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥10.0
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Weber	
Type / ref	34 TLP 3 101/201	
Main jet / needle	130	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[RA] <sup>1</sup>

### Ignition system 405, 1.4 1989 to 1990

Type	Electronic	
Ignition coil	_	
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	_	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8 BTDC @ 750 <sup>1</sup>
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C042-D030
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	8 to 12 @ 1450
	° Crankshaft @ rpm	19 to 23 @ 2800
	° Crankshaft @ rpm	26 to 30 @ 4700
Vacuum range check	mbar	239 to 505
Maximum vacuum advance	° Crankshaft	10 to 14
Spark plugs	Bosch/Champion	
Type	F7DCOR / C9YCX	
Electrode gap	mm	0.80

### Electrical system 405, 1.4 1989 to 1990

Battery	V / CC / RC	(12LC 175)
Alternator voltage / full load current / engine rpm	13.8 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

### Running gear 405, 1.4 1989 to 1990

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_

<b>Tyres</b>		
Saloon	Size	165/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	_

<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5 PW
Camber		0±30'
Castor		+2°25'±30'
King pin inclination		+11°25'±30'

<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+2.5±0.8 PW
Camber		-1°20'±30'

### Torque wrench settings 405, 1.4 1989 to 1990

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 120°
Cylinder head - stage 3	Nm	+ 120°
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	20 + 45°
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	265
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28

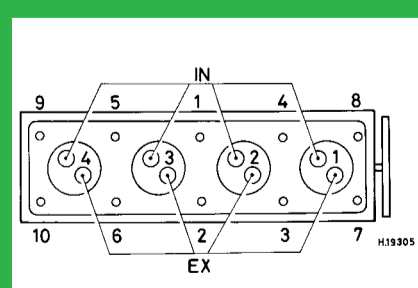
### Capacities 405, 1.4 1989 to 1990

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.6
Fuel tank	litres	70

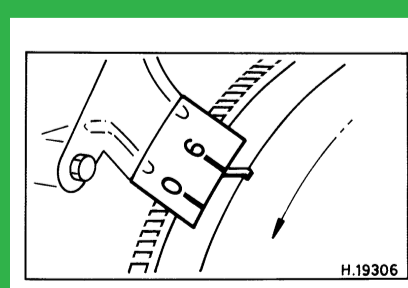
### Notes and Illustrations

<sup>1</sup>[E 95 RON], -4°

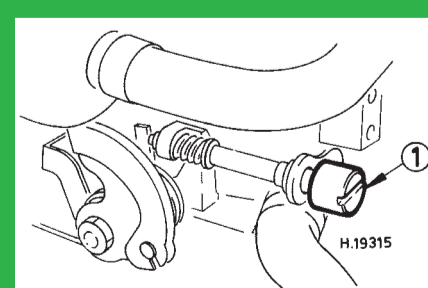
1: Idle speed      2: CO / Mixture



1360 cm<sup>3</sup>



1360 cm<sup>3</sup>



Weber TLP



Weber TLP