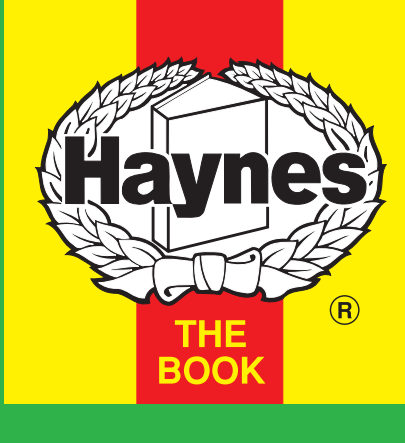




Automotive Technical

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

AX 14

1987 to 1988

Type	TU3 (K1A)	
Capacity (cm ³) / number of cylinders	1360 / 4	
Compression ratio / pressure	bar	9.3 / _
Oil pressure	bar	[4.0]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	1.0

Fuel system

AX 14

1987 to 1988

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥9.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Weber	
Type / ref	34 TLP 3/100	
Main jet / needle	132	
Injection pressure	bar	_
Pump pressure	bar	0.25
Octane rating	RON	97[RA] ¹

Ignition system

AX 14

1987 to 1988

Type	Electronic - Hall effect	
Ignition coil	Ducellier. Marelli BTR 02	
Primary resistance	ohms	0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Anticlockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	8±2 BTDC @ 750 ¹
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C042-D030
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1500
	° Crankshaft @ rpm	11 to 15 @ 3000
	° Crankshaft @ rpm	19 to 23 @ 5000
Vacuum range check	mbar	160 to 430
Maximum vacuum advance	° Crankshaft	10 to 14
Spark plugs	AC/Champion	
Type	CFR2CLS / C9YCX	
Electrode gap	mm	0.80±0.05

Electrical system

AX 14

1987 to 1988

Battery	V / CC / RC	12 / 150 / 25
Alternator voltage / full load current / engine rpm	13.8 to 14.5 / _ / 1800	
Starter motor current / voltage - cranking	A / V	105 / 12
- locked	A / V	220 / _

Running gear

AX 14

1987 to 1988

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	155/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.0±1.5
Camber	-30'+30'	
Castor	+2°15'±30'	
King pin inclination	+12.58°	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.8 to 5.4
Camber	-1°15'±20'	

Torque wrench settings

AX 14

1987 to 1988

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 240°
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	20 + 45°
Clutch cover	Nm	13
Flywheel [driveplate]	Nm	65 LkC
Front hubs	Nm	250
Rear hubs	Nm	140
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25

Capacities

AX 14

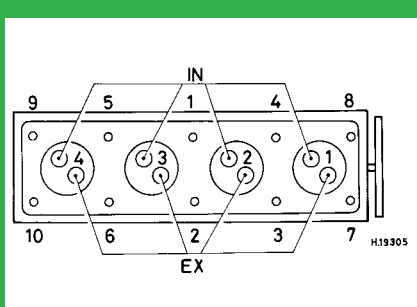
1987 to 1988

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	4.8
Fuel tank	litres	43

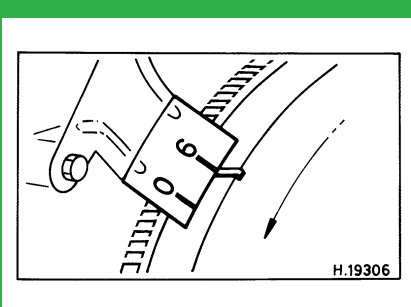
Notes and Illustrations

¹[E 95 RON]: 4 BTDC @ 750

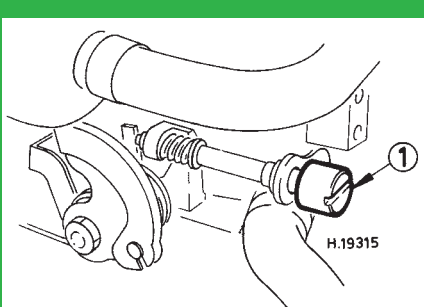
1: Idle speed 2: CO / Mixture



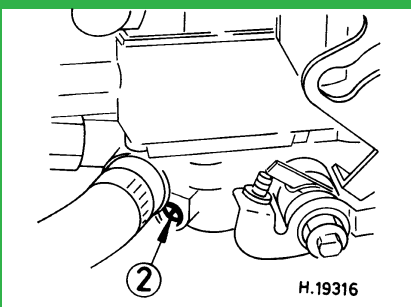
1360 cm³



1360 cm³



Weber TLP



Weber TLP