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

		216	1985 to 1989
Type		16HD 94	
Capacity (cm³) / number of cylinders		1598 / 4	
Compression ratio / pressure	bar	9.6 / 10.3	
Oil pressure	bar	1.0 to 1.3	
Oil temperature	ºC	_	
Valve clearance - inlet	mm	0.35 to 0.38[1]	
Valve clearance - exhaust	mm	0.43 to 0.46[1]	
Firing order		1-3-4-2	
No 1 cylinder position		TBE	
Thermostat opening temperature	ºC	88	
Radiator cap pressure	bar	1.04	

Fuel system

		216	1985 to 1989
Idle speed - manual [auto]	rpm	750±50	
Fast idle speed - manual [auto]	rpm	1200±50	
CO @ idle speed [3000 rpm] - see page VI	%	2.0 to 3.5	
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		SU	
Type / ref		HIF44E	
Main jet / needle		0.100 / BFM	
Injection pressure	bar	_	
Pump pressure	bar	0.3	
Octane rating	RON	97[L]	

Ignition system

		216	1985 to 1989
Type		Computerized	
Ignition coil		Unipart GCL 141	
Primary resistance	ohms	0.71 to 0.81	
Ballast resistor	ohms	_	
Voltage - Tmnl 15(+) to earth	V	_	
Distributor		Lucas	
Points gap (air gap)	mm	_	
Dwell angle	º (%)	_	
Condenser capacity	µF	_	
Rotation		Anticlockwise	
Ignition timing - basic [static	º Crankshaft @ rpm	13 BTDC @ 1400	
V = Vacuum NV = No Vacuum		NV	
Total ignition advance	º Crankshaft @ rpm	40 BTDC @ 1400	
	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		Unipart/Champion	
Type		GSP665 or 4562 / RC9YC	
Electrode gap	mm	1.0	

Electrical system

		216	1985 to 1989
Battery	V / CC / RC	12 / 280 / 50	
Alternator voltage / full load current / engine rpm		14.0 / _ / 3000	
Starter motor current / voltage - cranking	A / V	65 /	
- locked	A / V	425 to 450 / 7.0	

Running gear

		216	1985 to 1989
Brakes -			
Front (min. friction material thickness)	mm	3.0	
Rear (min. friction material thickness)	mm	2.0	
Tyres			
Saloon	Size	165x13: 175/65x14: 175/70x13	
Estate / Van	Size	_	
Pressure - front / rear - Saloon	bar	1.9 / 1.8	
- Estate / Van	bar	_	
Front suspension / wheel alignment			
Toe-in (+) / Toe-out (–)	mm [º]	0±2.0	
Camber		0±1°	
Castor		+2°25'±1°	
King pin inclination		+12°45'±30'	
Rear suspension / wheel alignment			
Toe-in (+) / Toe-out (–)	mm [º]	+2.0±2.0 PW	
Camber		-0°45'±15'	

Torque wrench settings

		216	1985 to 1989
Cylinder head - stage 1	Nm	40	
- stage 2	Nm	81	
Cylinder head - stage 3	Nm	+ 90°	
- stage 4	Nm	_	
Big-end bearings	Nm	45	
Main bearings	Nm	90	
Clutch cover	Nm	23	
Flywheel [driveplate]	Nm	58	
Front hubs	Nm	185	
Rear hubs	Nm	185	
Wheel nuts / bolts	Nm	81	
Spark plugs	Nm	18	

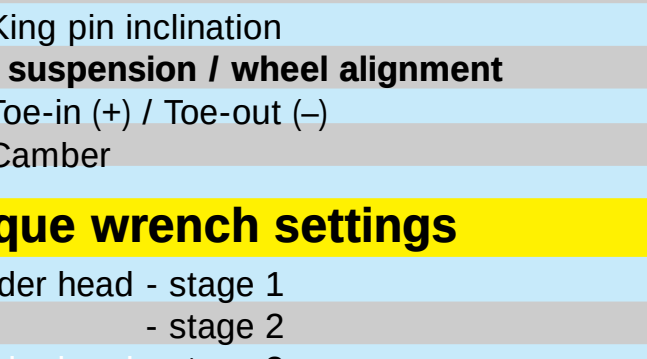
Capacities

		216	1985 to 1989
Engine oil & filter	litres	3.5	
Gearbox - 4-speed [5-speed]	litres	2.2	
Automatic transmission - refill	litres	2.0	
Final drive	litres	WT	
Cooling system	litres	6.4	
Fuel tank	litres	46	

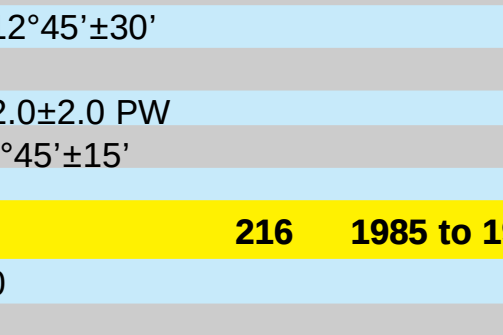
Notes and Illustrations

[1]**Adjust only if less than 0.30**

1: Idle speed 2: CO / Mixture



1598 cm³



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