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

V8, 3.6 CAT 1989 to 1994

Type		PT (184kW)
Capacity (cm³) / number of cylinders		3562 / 8
Compression ratio / pressure	bar	10.6 / ≥7.5
Oil pressure	bar	_
Oil temperature	ºC	_
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-5-4-8-6-3-7-2
No 1 cylinder position		PER
Thermostat opening temperature	ºC	87
Radiator cap pressure	bar	1.0

Fuel system

V8, 3.6 CAT 1989 to 1994

Idle speed - manual [auto]	rpm	690 to 760 [650 to 770] N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
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		Motronic
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	4.0 to 4.3
Octane rating	RON	95[U]

Ignition system

V8, 3.6 CAT 1989 to 1994

Type		DME Motronic
Ignition coil		Bosch
Primary resistance	ohms	0.5 to 1.5
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	9 to 15 BTDC @ idle N/A[1]
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	_
	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		BUR6-EFSZ
Electrode gap	mm	0.70 to 0.90

Electrical system

V8, 3.6 CAT 1989 to 1994

Battery	V / CC / RC	12 / _
Alternator voltage / full load current / engine rpm		_
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

V8, 3.6 CAT 1989 to 1994

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	215/60x15: 225/50x16:245/45x17
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.4 / 2.4
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+10'+10'-5']
Camber		-30'±30'
Castor		+1°15'+40'
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+10'±10']
Camber		-45'±15'

Torque wrench settings

V8, 3.6 CAT 1989 to 1994

Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	_
Main bearings	Nm	_
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	200 + 90°
Rear hubs	Nm	200 + 90°
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	30

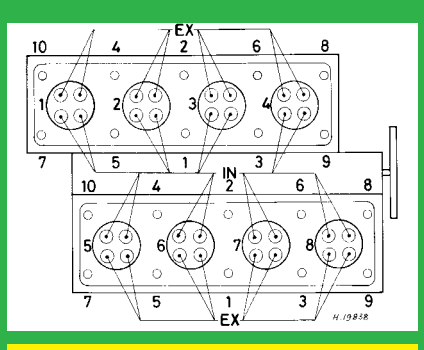
Capacities

V8, 3.6 CAT 1989 to 1994

Engine oil & filter	litres	7.5
Gearbox - 4-speed [5-speed]	litres	3.0. 6spd: 3.5[2]
Automatic transmission - refill	litres	3.0
Final drive	litres	Front: 0.5[3]
Cooling system	litres	8.5
Fuel tank	litres	80

Notes and Illustrations

[1]**8.91 ▶: 7 to 15 BTDC @ idle N/A**
[2]**01E: + 0.1 special gear additive**
[3]**Rear: 1.7. 01E: 1.5**



3562 cm³