

[Engine & Cooling](#)
[Fuel](#)
[Ignition](#)
[Electrical](#)
[Running gear](#)
[Torque settings](#)
[Capacities](#)
[Notes & Illustrations](#)



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 25 V6 2.9i (B293) 1989 to 1993

Type	Z7W-A7-00 [Z7W-7-01] ¹	
Capacity (cm ³) / number of cylinders	2849 / 6	
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.0 [4.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order	1-6-3-5-2-4	
No 1 cylinder position	RL	
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.8 to 1.2

Fuel system 25 V6 2.9i (B293) 1989 to 1993

Idle speed - manual [auto]	rpm	700±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Renix	
Type / ref	Bendix R electronic MPI	
Main jet / needle	_	
Injection pressure	bar	2.5±0.2
Pump pressure	bar	3.0
Octane rating	RON	98[E 95 RON]

Ignition system 25 V6 2.9i (B293) 1989 to 1993

Type	AEI	
Ignition coil	Renix	
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Renix	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	AEI control
V = Vacuum NV = No Vacuum	_	
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	AEI control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	AEI control
Maximum vacuum advance	° Crankshaft	_
Spark plugs	Eyquem/Champion	
Type	C72LJS / S279YC	
Electrode gap	mm	0.80±0.05

Electrical system 25 V6 2.9i (B293) 1989 to 1993

Battery	V / CC / RC	12 / 255 / 85
Alternator voltage / full load current / engine rpm	13.5 to 14.8 / 90, 105 / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	600 / _

Running gear 25 V6 2.9i (B293) 1989 to 1993

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	6.0 with backing
Tyres		
Saloon	Size	195/60x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.3
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-3.0±1.0
Camber		0±30'
Castor		+4°
King pin inclination		+12°30'±30'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±1.0
Camber		-1°15'±30'

Torque wrench settings 25 V6 2.9i (B293) 1989 to 1993

Cylinder head - stage 1	Nm	60, then slacken bolts
- stage 2	Nm	20 + 106°
Cylinder head - stage 3	Nm	Warm up engine, then cool
- stage 4	Nm	+ 45°
Big-end bearings	Nm	45
Main bearings	Nm	30 + 75°
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	45 [65 to 70]
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	_

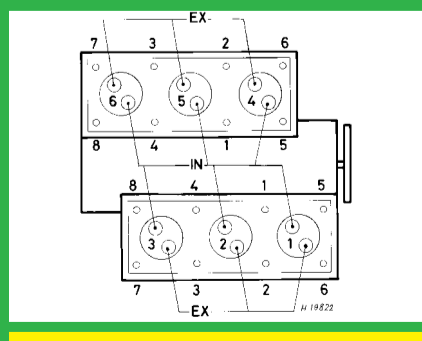
Capacities 25 V6 2.9i (B293) 1989 to 1993

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	4.0
Final drive	litres	0.8
Cooling system	litres	9.5
Fuel tank	litres	72

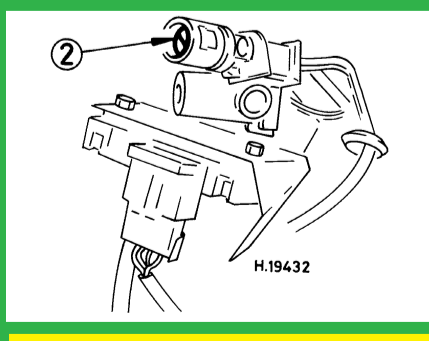
Notes and Illustrations

¹92 ▶ AT: [Z7W-7-09]

1: Idle speed 2: CO / Mixture



2849 cm³



Bendix R, not CAT