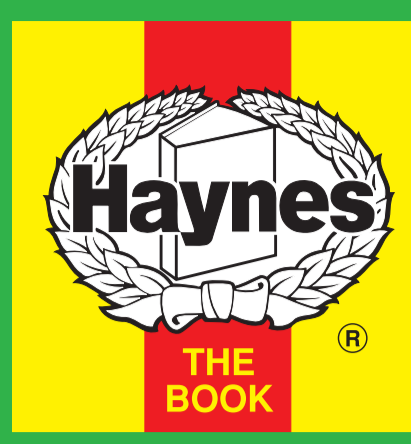


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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 Favorit 136 & Van 1989 to 1992

Type		136 OHV 46kW 15.04
Capacity (cm <sup>3</sup> ) / number of cylinders		1289 / 4
Compression ratio / pressure	bar	9.7 / ≥11.0
Oil pressure	bar	[4.1 to 5.5]
Oil temperature	°C	70
Valve clearance - inlet	mm	0.20
- exhaust	mm	0.20
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	88 to 103
Radiator cap pressure	bar	1.0

## Fuel system Favorit 136 & Van 1989 to 1992

Idle speed - manual [auto]	rpm	780 to 830
Fast idle speed - manual [auto]	rpm	2300
CO @ idle speed [3000 rpm] - see page VI	%	0.5 to 1.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤500
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	13 to 15
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	1.0 to 2.0
Carburettor / fuel injection		Pierburg/Jikov
Type / ref		P: 2E3. J: 28-30 LEKR
Main jet / needle		92.5, 120
Injection pressure	bar	-
Pump pressure	bar	0.30
Octane rating	RON	96[E 95 RON]

## Ignition system Favorit 136 & Van 1989 to 1992

Type		Electronic
Ignition coil		Pal-Magneton 443 212 215 820
Primary resistance	ohms	0.6
Ballast resistor	ohms	-
Voltage - Tmnl 15(+) to earth	V	-
Distributor		Pal-Magnetron
Points gap (air gap)	mm	[0.30]
Dwell angle	° (%)	5 to 40
Condenser capacity	µF	-
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 750 to 850
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	3 to 7 @ 750 to 850
	° Crankshaft @ rpm	14 to 35 @ 2900 to 3100
	° Crankshaft @ rpm	23 to 40 @ 4100 to 4300
Vacuum range check	mbar	102 to 227 <sup>1</sup>
Maximum vacuum advance	° Crankshaft	18 to 22
Spark plugs		Champion
Type		C7YC, RC7YC
Electrode gap	mm	0.60 to 0.70

## Electrical system Favorit 136 & Van 1989 to 1992

Battery	V / CC / RC	12 / 40Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.3 / 55 / 3000
Starter motor current / voltage - cranking	A / V	150 to 210 / 9.5
- locked	A / V	340 / 8.0

## Running gear Favorit 136 & Van 1989 to 1992

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	8.0
Rear (min. friction material thickness)	mm	1.0

<b>Tyres</b>		
Saloon	Size	165/70x13
Estate / Van	Size	165/70x13
Pressure - front / rear - Saloon	bar	1.9 / 1.8
- Estate / Van	bar	1.9 / 1.8

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.0±1.0
Camber		+20'±30'
Castor		+1°30'±45'
King pin inclination		-

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.2±1.4
Camber		-1°24'±30'

## Torque wrench settings Favorit 136 & Van 1989 to 1992

Cylinder head - stage 1	Nm	BOLTS: 17 to 20
- stage 2	Nm	+ 90°
- stage 3	Nm	+ 90°
- stage 4	Nm	NUTS: 20 to 26
Big-end bearings	Nm	36 to 40
Main bearings	Nm	60mm pin:50 to 55 <sup>2</sup>
Clutch cover	Nm	23 to 28
Flywheel [driveplate]	Nm	55 to 65
Front hubs	Nm	240 to 270
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	60 to 70
Spark plugs	Nm	20 to 30 <sup>3</sup>

## Capacities Favorit 136 & Van 1989 to 1992

Engine oil & filter	litres	4.0 [+ cooler 0.6]
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	47

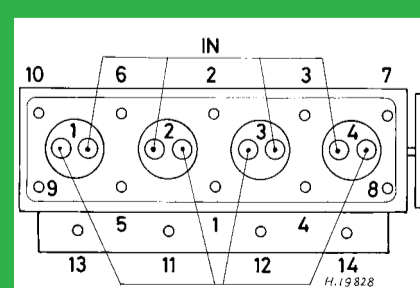
## Notes and Illustrations

<sup>1</sup>8.90 ►, distributor no. 443 213 204 860: 150 to 350

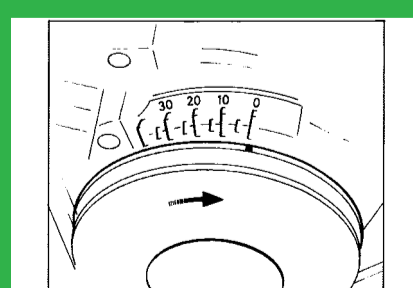
<sup>2</sup>M11: 65 to 75

<sup>3</sup>Flat seat only. Taper seat: 10 to 14

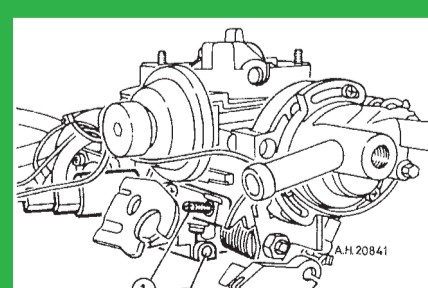
1: Idle speed 2: CO / Mixture



1289 cm<sup>3</sup>



1289 cm<sup>3</sup>



Pierburg 2E3 / Jikov LEKR