

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 4, 1108 (R1128) 1981 to 1992

Type	688-D7-12 / C1E	
Capacity (cm ³) / number of cylinders	1108 / 4	
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	0.7 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.20
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	84
Radiator cap pressure	bar	0.9

Fuel system 4, 1108 (R1128) 1981 to 1992

Idle speed - manual [auto]	rpm	650±25
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	2.0 to 2.5
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	Zenith	
Type / ref	28 IF V 05078	
Main jet / needle	91 A	
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.27
Octane rating	RON	98[L]

Ignition system 4, 1108 (R1128) 1981 to 1992

Type	Contact breaker - CIS	
Ignition coil	Ducellier, SEV	
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Ducellier	
Points gap (air gap)	mm	0.40
Dwell angle	° (%)	57±3 (63±3)
Condenser capacity	µF	_
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ idle
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	R244-C61
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1200 to 1400
	° Crankshaft @ rpm	14 to 18 @ 3000
	° Crankshaft @ rpm	32 to 36 @ 5000
Vacuum range check	mbar	105 to 474
Maximum vacuum advance	° Crankshaft	20 to 24
Spark plugs	AC/Champion	
Type	43FS / L92YC	
Electrode gap	mm	0.55 to 0.65

Electrical system 4, 1108 (R1128) 1981 to 1992

Battery	V / CC / RC	12 / 150 / 40
Alternator voltage / full load current / engine rpm	14.0 / _ / 2000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	300 to 400 / _

Running gear 4, 1108 (R1128) 1981 to 1992

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5
Tyres		
Saloon	Size	_
Estate / Van	Size	135x13
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	1.5 / 1.8 ¹
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber	+1°±30'	
Castor	+12° to 13°	
King pin inclination	+13°40'±30'	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0
Camber	0 to +1°30'	

Torque wrench settings 4, 1108 (R1128) 1981 to 1992

Cylinder head - stage 1	Nm	55 to 65
- stage 2	Nm	_
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	35
Main bearings	Nm	55 to 65
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	50
Front hubs	Nm	120
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	50 to 60
Spark plugs	Nm	_

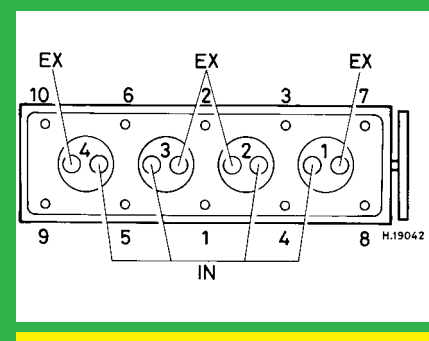
Capacities 4, 1108 (R1128) 1981 to 1992

Engine oil & filter	litres	3.25
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.3
Fuel tank	litres	34

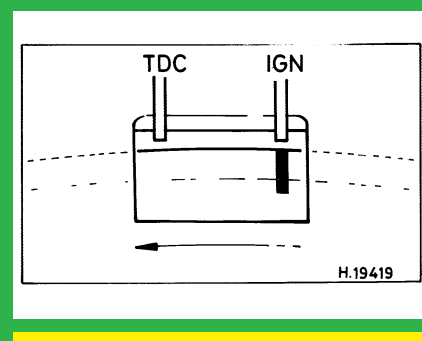
Notes and Illustrations

¹Van: 1.5 / 2.0

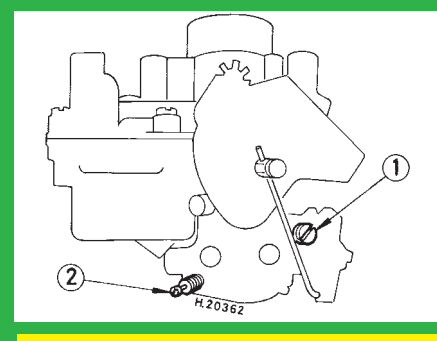
1: Idle speed 2: CO / Mixture



1108 cm³



1108 cm³



Zenith 28 IF