

YUGO/ZASTAVA

65A & Tempo

1988 to 1993

Engine & Cooling

Fuel

Ignition

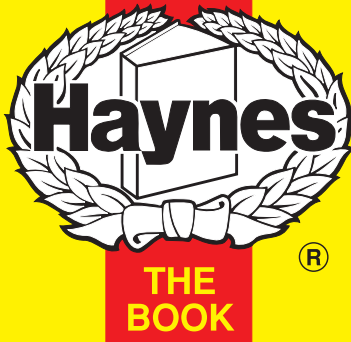
Electrical

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.

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HELP

Engine and cooling system

65A & Tempo

1988 to 1993

Type		—
Capacity (cm ³) / number of cylinders		1299 / 4
Compression ratio / pressure	bar	9.1 / —
Oil pressure	bar	[3.5 to 4.8]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.35 to 0.55
- exhaust	mm	0.45 to 0.55
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	82±2
Radiator cap pressure	bar	0.8

Fuel system

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Idle speed - manual [auto]	rpm	W: 850±50. C/W: 800 to 850
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	W: 1.0 to 2.0. C/W: 0.5 to 1.5
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		Carter/Weber
Type / ref		W: 30-32 DMTR. C/W: 2V
Main jet / needle		W: 90, 95. C/W: 110, 97
Injection pressure	bar	—
Pump pressure	bar	0.25 to 0.35
Octane rating	RON	97[RA] ¹

Ignition system

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1988 to 1993

Type		Electronic
Ignition coil		Iskra
Primary resistance	ohms	0.7
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	[0.30 to 0.50]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 850±50 ¹
V = Vacuum NV = No Vacuum		V
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 to 5 @ 1500
	° Crankshaft @ rpm	12 to 16 @ 3000
	° Crankshaft @ rpm	22 to 26 @ 4300 ²
Vacuum range check	mbar	213 to 453 ³
Maximum vacuum advance	° Crankshaft	10 to 14 ⁴
Spark plugs		Marelli/Champion
Type		CW240LP / RN9YC
Electrode gap	mm	0.50 to 0.60

Electrical system

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Battery	V / CC / RC	12 / 370 / 45Ah
Alternator voltage / full load current / engine rpm		14.0 / — / 2500
Starter motor current / voltage - cranking	A / V	198 / 9.1
- locked	A / V	315 / 7±0.3

Running gear

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Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	155/70x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.6 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±1.0 L
Camber		+1°30'±30'
Castor		+2°15'±30'
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+4.0±2.0
Camber		-3°±30'

Torque wrench settings

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Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
- stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	16
Flywheel [driveplate]	Nm	83
Front hubs	Nm	137
Rear hubs	Nm	137
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	37

Capacities

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1988 to 1993

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	3.2
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	30

Notes and Illustrations

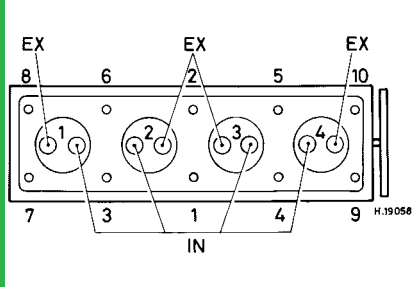
¹[E 95 RON]: 5° BTDC

²With Carter Weber carb: 19±2 @ 3800

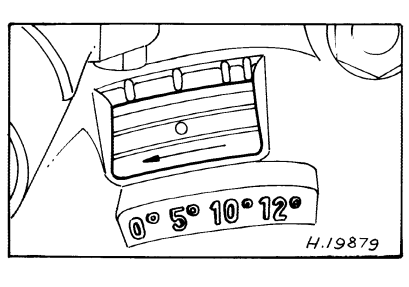
³With Carter Weber carb: 213 to 300

⁴With Carter Weber carb: 19±2

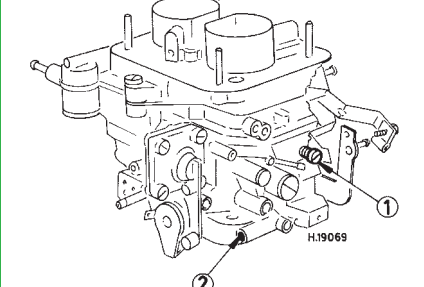
1: Idle speed 2: CO / Mixture



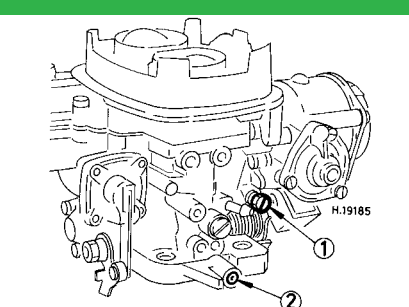
1299 cm³



1299 cm³



Weber 30-32 DMTR



Carter / Weber 2V