

RELIANT

Fox

1982 to 1989

Engine & Cooling

Fuel

Ignition

Electrical

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Torque settings

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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

Fox

1982 to 1989

Type		OHV
Capacity (cm ³) / number of cylinders		848 / 4
Compression ratio / pressure	bar	9.5 / 9.7 ¹
Oil pressure	bar	[3.1]
Oil temperature	°C	—
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.15
Firing order		1-3-4-2
No 1 cylinder position		F
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.48

Fuel system

Fox

1982 to 1989

Idle speed - manual [auto]	rpm	900
Fast idle speed - manual [auto]	rpm	2250
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		SU
Type / ref		HS2
Main jet / needle		0.090 / AAT (AEB, Economy)
Injection pressure	bar	—
Pump pressure	bar	0.25
Octane rating	RON	98[L]

Ignition system

Fox

1982 to 1989

Type		Contact breaker - CIS
Ignition coil		Lucas
Primary resistance	ohms	2.9 to 3.5
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	6.0 to 8.0
Distributor		Lucas
Points gap (air gap)	mm	0.38
Dwell angle	° (%)	51±5
Condenser capacity	µF	0.18 to 0.25
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	TDC @ 900
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 850 ²
	° Crankshaft @ rpm	12 to 20 @ 1600 ²
	° Crankshaft @ rpm	26 to 30 @ 4800 ²
Vacuum range check	mbar	169 to 333 ³
Maximum vacuum advance	° Crankshaft	10 ³
Spark plugs		Motorcraft/Champion
Type		AGR32 / RN12YC
Electrode gap	mm	0.64

Electrical system

Fox

1982 to 1989

Battery	V / CC / RC	12 / 180 / 40
Alternator voltage / full load current / engine rpm		14.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	260 / _
- locked	A / V	350 / 7.0

Running gear

Fox

1982 to 1989

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

Tyres		
Saloon	Size	—
Estate / Van	Size	155x12
Pressure - front / rear - Saloon	bar	—
- Estate / Van	bar	1.3 / 1.3

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0
Camber		+1°
Castor		+12°
King pin inclination		+9°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	—
Camber		—

Torque wrench settings

Fox

1982 to 1989

Cylinder head - stage 1	Nm	0.375 in. UNF: 34
- stage 2	Nm	0.3125 in. UNF: 20
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	28
Main bearings	Nm	31 to 33
Clutch cover	Nm	16 to 20
Flywheel [driveplate]	Nm	39
Front hubs	Nm	WSM
Rear hubs	Nm	136 to 149
Wheel nuts / bolts	Nm	41 to 47
Spark plugs	Nm	20

Capacities

Fox

1982 to 1989

Engine oil & filter	litres	3.1
Gearbox - 4-speed [5-speed]	litres	0.6
Automatic transmission - refill	litres	—
Final drive	litres	1.3
Cooling system	litres	2.8
Fuel tank	litres	27.3

Notes and Illustrations

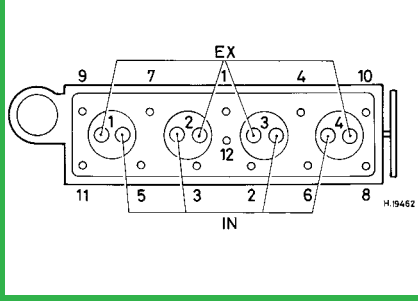
¹Economy version: 10.5:1

²Economy version: 0 @ 800, 27 @ 5200

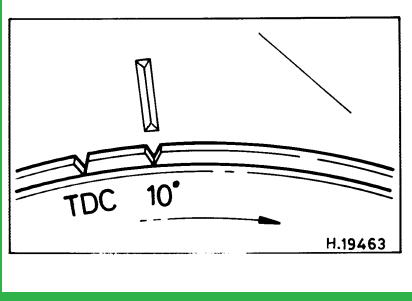
³Economy version: 101 to 407 @ 14°

1: Idle speed

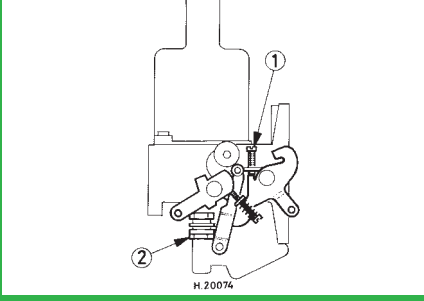
2: CO / Mixture



848 cm³



848 cm³



SU HS2