

Chapter 2 Part C: Zetec engine - in-car engine repair procedures

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Degrees of difficulty

Easy, suitable for
novice with little
experience



Fairly easy, suitable
for beginner with
some experience



Fairly difficult,
suitable for competent
DIY mechanic



Difficult, suitable for
experienced DIY
mechanic



Very difficult,
suitable for expert
DIY or professional



2C

Specifications

General

Engine type	Four-cylinder, in-line, double overhead camshaft
Engine code:	
1.6 litre models	LIE
1.8 litre models	RDA, RDB
Capacity:	
1.6 litre models	1597 cc
1.8 litre models	1796 cc
Bore:	
1.6 litre models	76.0 mm
1.8 litre models	80.0 mm
Stroke - all models	88.0 mm
Compression ratio:	
1.6 litre models	10.2:1
1.8 litre models	10.0:1
Firing order	1-3-4-2 (No. 1 cylinder at timing belt end)
Direction of crankshaft rotation	Clockwise (seen from right hand side of vehicle)

Cylinder head

Hydraulic tappet bore inside diameter	28.280 to 28.420 mm
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Camshafts and hydraulic tappets

Camshaft bearing/journal diameter	23.960 to 23.980 mm
Camshaft bearing journal to cylinder head running clearance	0.020 to 0.070 mm
Camshaft endfloat	0.080 to 0.200 mm

Lubrication

Engine oil type/specification	See Chapter 1
Engine oil capacity	See Chapter 1
Oil pressure	No information available at time of writing
Oil pump clearances	No information available at time of writing

Ford Zetec Service Manual

RC Schank

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the RC Schank text.

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