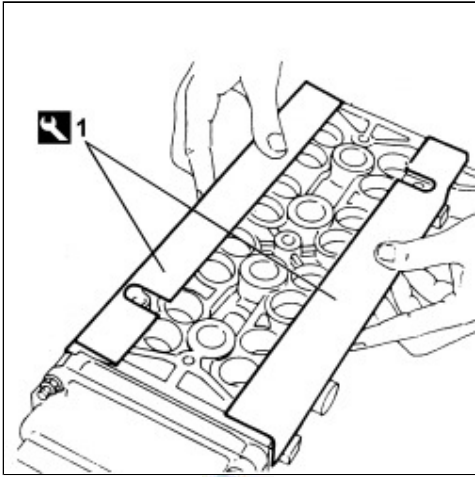




 Removing ([Refitting](#) )

1. Remove the tappet retaining tool.

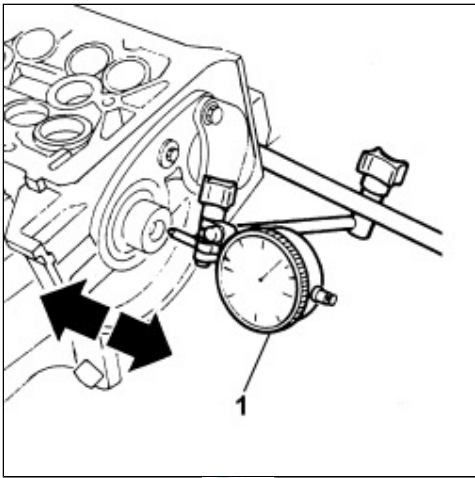
Tool	Description	Function	Validity
1860988000	Tappet retaining tool	Tappet retaining	1.4 Turbo Petrol

- Remove the hydraulic tappets from their housings.

- Fit the head support tool.

Tool	Description	Function	Validity
1860470000	Mount	Cylinder head overhaul	1.4 Turbo Petrol

- Position the cylinder head extension in a vice.



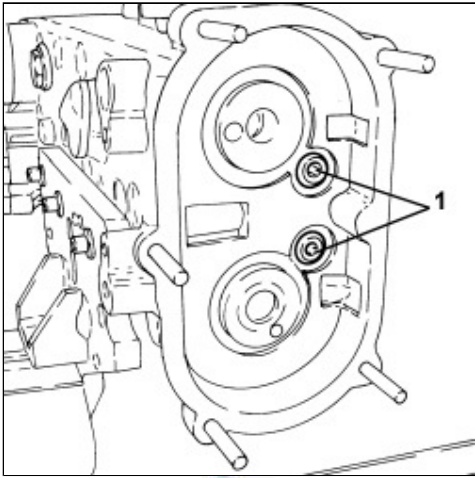
1. Using a dial gauge and magnetic base, check that the exhaust side camshaft end float is within the prescribed values.

Size	Value	Validity
Camshaft end float (mm)	0.100 ÷ 0.290	1.4 Turbo Petrol

 If the exhaust side camshaft end float is not within the prescribed limits, replace the camshaft housing.

- Unscrew the bolts loosened previously and remove the camshaft idler gears.

1. Remove the tapered plugs.

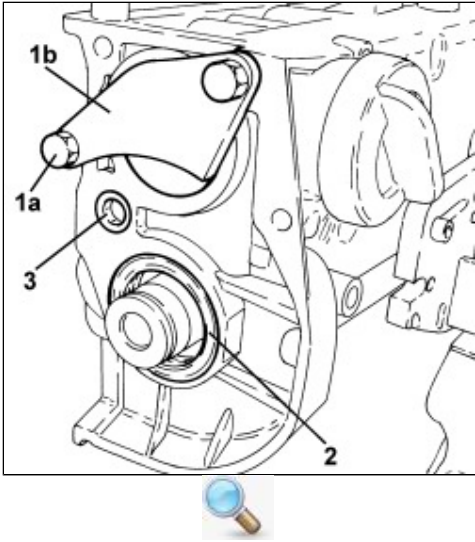


- Rotate the cylinder head extension through 180°.

1. Undo bolts (1a) and remove inlet side camshaft protective cover (1b), complete with O-ring.

2. Remove the exhaust side camshaft oil seal.

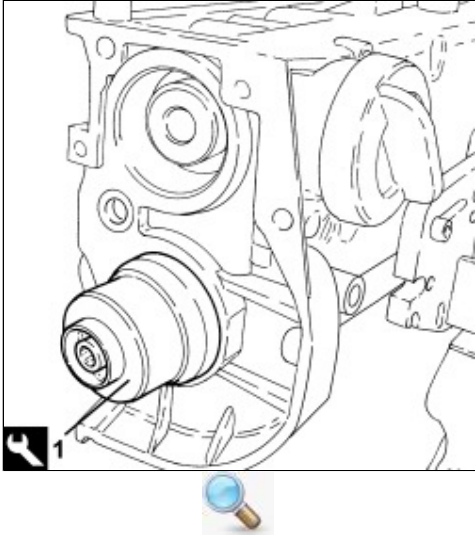
3. Undo the tapered plug, timing side.



- Release the camshafts.

 Refitting ([Removing](#) )

- Check that the diameter of the camshaft journals and the cam lift correspond to the prescribed figures.



Size	Value	Validity
Camshaft first journal diameter (mm)	35.000 ÷ 35.015	1.4 Turbo Petrol
Size	Value	Validity
Camshaft first journal diameter (mm)	35.000 ÷ 35.015	1.4 Turbo Petrol
Size	Value	Validity
Camshaft first journal diameter (mm)	35.000 ÷ 35.015	1.4 Turbo Petrol
Size	Value	Validity
Nominal intake cam lift (mm)	7	1.4 Turbo Petrol
Size	Value	Validity
Nominal exhaust cam lift (mm)	6.6	1.4 Turbo Petrol

 The surfaces of the cams and the bearings should not show signs of wear, grooves or seizing. If this is not the case, replace the camshafts.

- Place the camshafts in their housings.

- Undo the plugs and fit the camshaft centring pins.

Tool	Description	Function	Validity
1860985000	Locating pins	Camshaft timing	1.4 Turbo Petrol

1. Fit a new oil seal on the exhaust side camshaft using the tool.

Tool	Description	Function	Validity
1860990000	Fitting tool	Fitting camshaft oil seal	1.4 Turbo Petrol

- Fit the inlet side camshaft protective cover in place, complete with a new O-ring and secure it using the bolts.

- Rotate the cylinder head extension through 180°.
- Fit the tapered plugs in their seats and tighten them to the recommended torque checking that the maximum projection is 1 mm.

Component	Fastening	Ø	Value (daNm)	Validity
Tappo conico su testa cilindri superiore lato posteriore	Tappo conico	M14	1.5	1.4 Turbo Benzina
Component	Fastening	Ø	Value (daNm)	Validity
Tappo conico su testa cilindri superiore lato anteriore	Tappo conico	M20	4.0	1.4 Turbo Benzina

- Place the camshaft idler gears in position and screw in the bolts without tightening them to torque.

 Firstly, fit the exhaust side gear; then fit the intake side gear, aligning the (inner and outer) teeth until they are matched with the teeth on the exhaust side gear.

- Remove the camshaft housing from the vice and separate it from the support tool.
- Place the hydraulic tappets in their housings and fit the retaining tool.

Tool	Description	Function	Validity
1860988000	Tappet retaining tool	Tappet retaining	1.4 Turbo Petrol