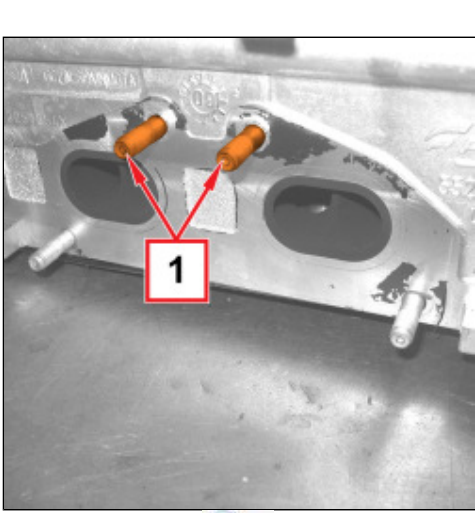
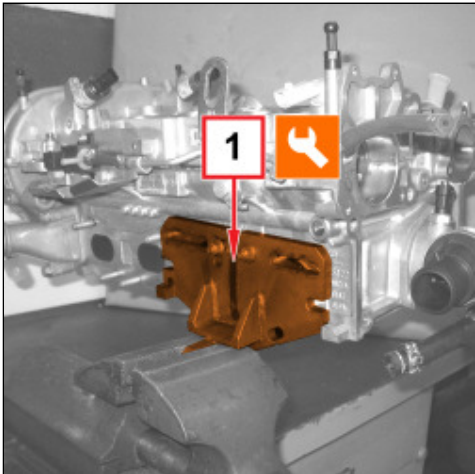




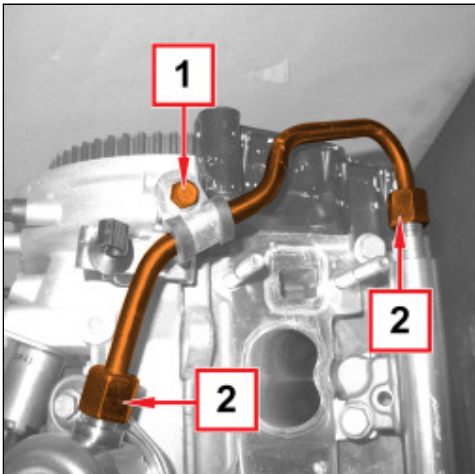
 Removing ([Refitting](#) )

1. Unscrew and remove the two cylinder head studs, exhaust side.



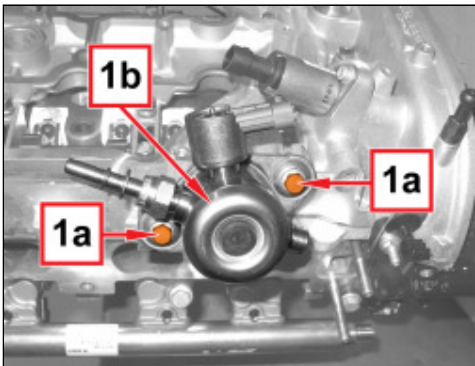
1. Position the cylinder head in the vice using the support tool.

Tool	Description	Function	Validity
1860470000	Mount	Cylinder head overhaul	1750 Turbo Petrol



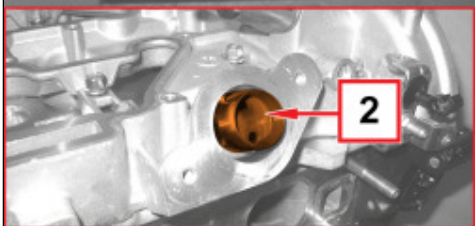
1. Undo the screw fixing the fuel pipe retaining band.

2. Unscrew the connectors for the fuel pipe and remove the pipe.

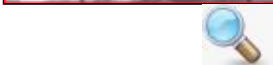


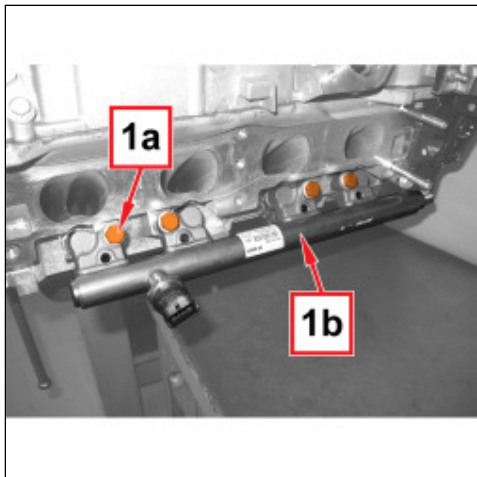
1. Undo the fixing screws (1a) and remove the fuel pressure pump (1b) complete with gasket.

2. Release and remove the prescribed cup.

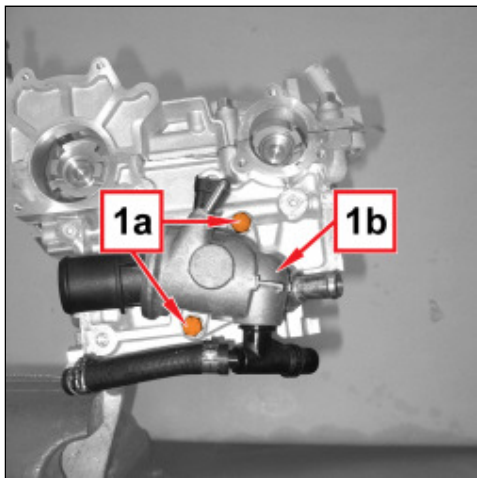


1. Undo the fixing screws (1a) and remove the single fuel manifold pipe (1b) complete with injectors.

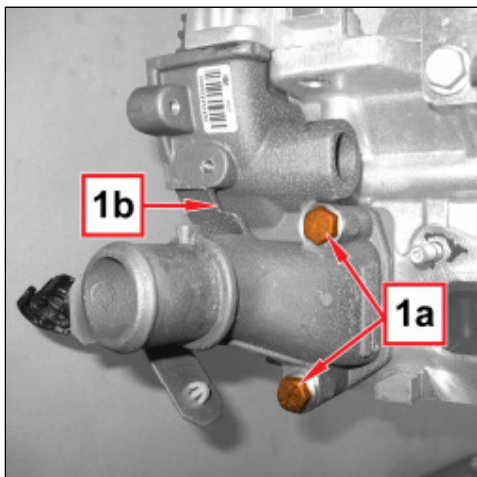




1. Undo the fixing screws (1a) and remove the thermostat (1b) complete with gasket.

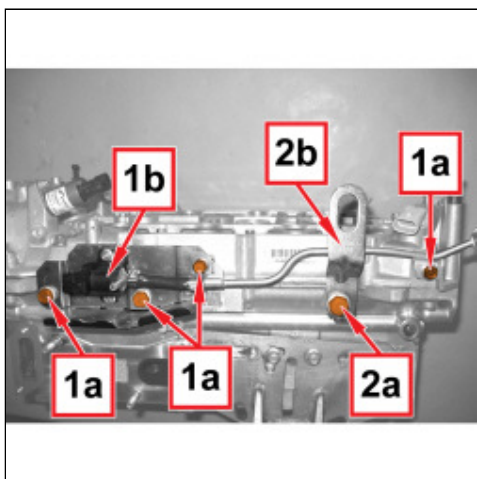


1. Undo the fixing screws (1a) and remove the coolant intake manifold (1b) complete with gasket.

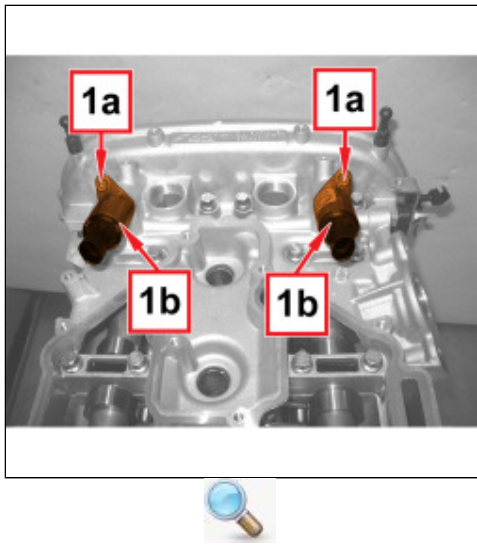


1. Undo the fixing screws (1a) and remove the pipe and solenoid valve assembly (1b).

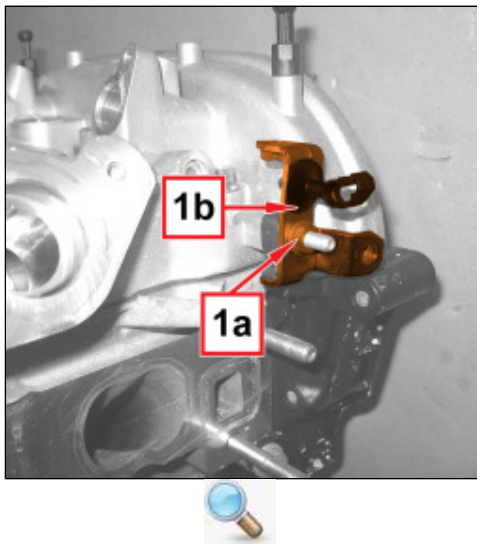
2. Undo the fixing screw (2a) and remove the engine lifting bracket (2b).



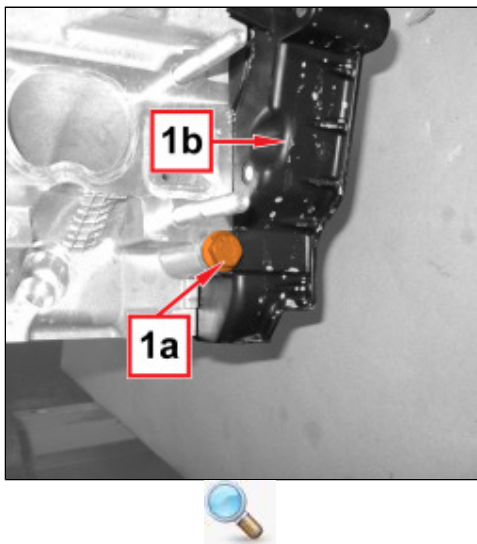
1. Undo the fixing screws (1a) and remove the variable valve timing solenoids (1b).



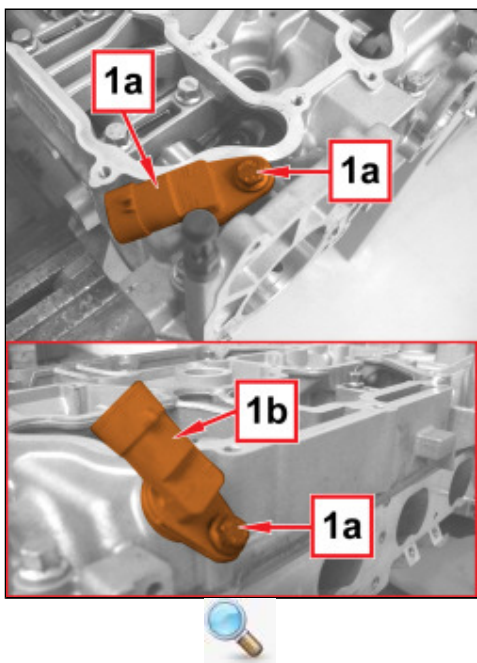
1. Undo the fixing nut (1a) and remove the retaining bracket (1b).



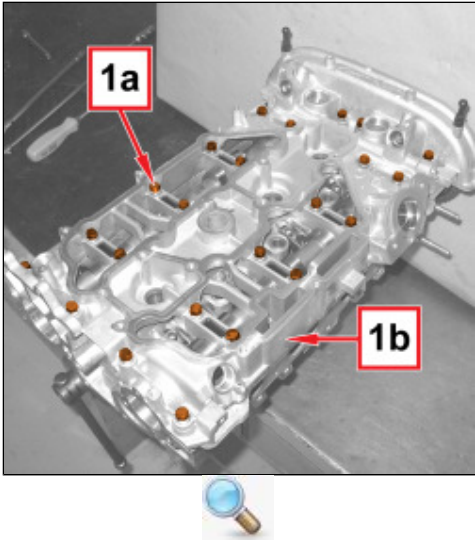
1. Undo the fixing screw (1a) and remove the protective guard (1b).



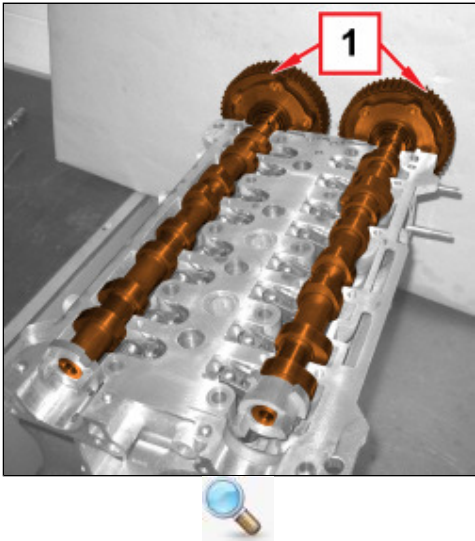
1. Undo the fixing screws (1a) and release and remove the timing sensors (1b).



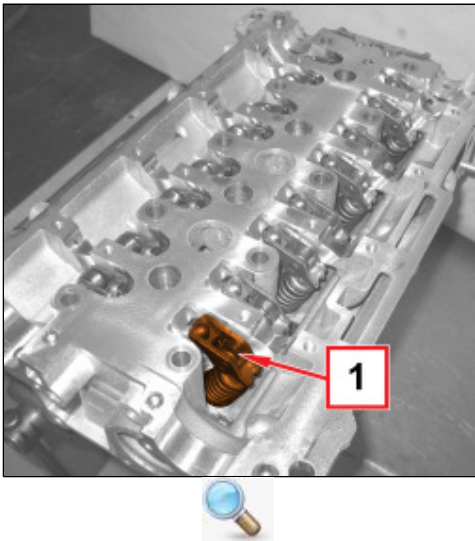
1. Undo the fixing screws (1a) and remove the upper cylinder head (1b).



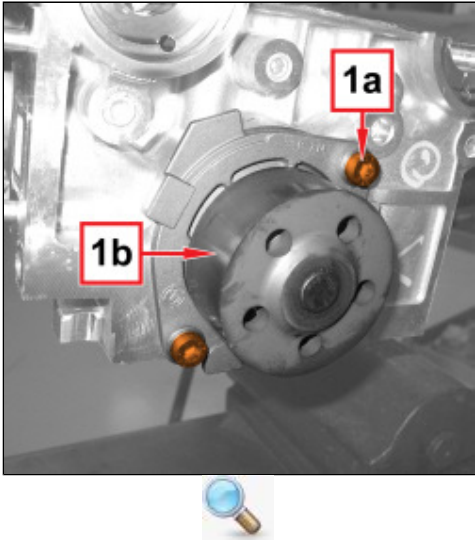
1. Remove the camshafts.



1. Remove the hydraulic tappets complete with rocker arms.



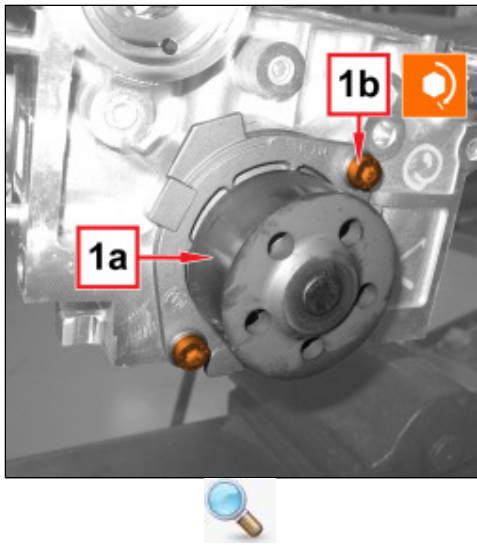
1. Undo the bolts (1a) and remove the water pump (1b) complete with gasket.



 Refitting ([Removing](#) )

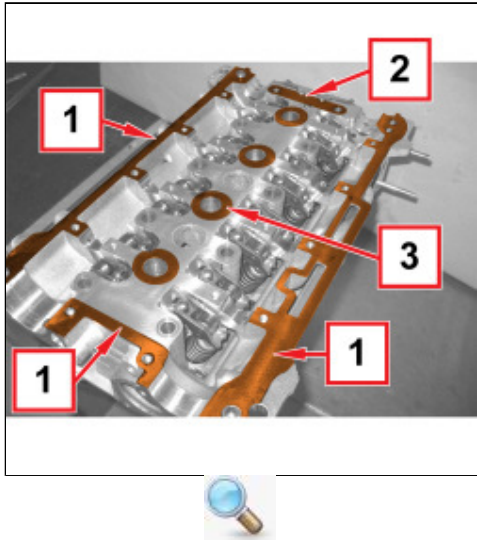
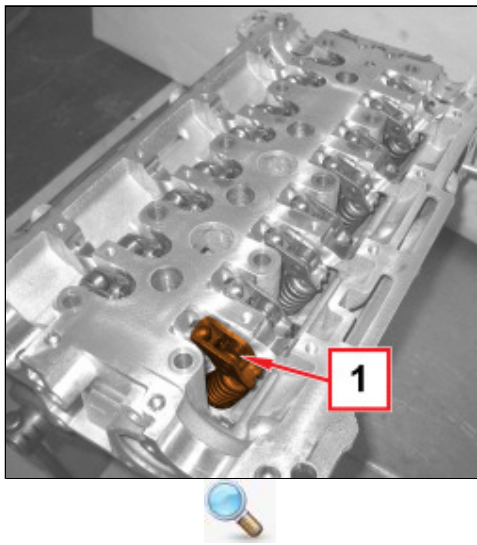
1. Fit the water pump (1a) with gasket in its housing and tighten the new fixing screws (1b) to the prescribed torque.

Component	Fastening	Ø	Value (daNm)	Validity



Water pump	Screw (to be replaced)	M8	2.3 ÷ 2.8	1750 Turbo Petrol
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- Remove the sealant residues sealant from the cylinder head camshaft housing contact surfaces.
 - Check the integrity of centring bushes on the cylinder head.
1. Position the hydraulic tappets complete with rocker arms in their housings, making sure that they are correctly positioned.

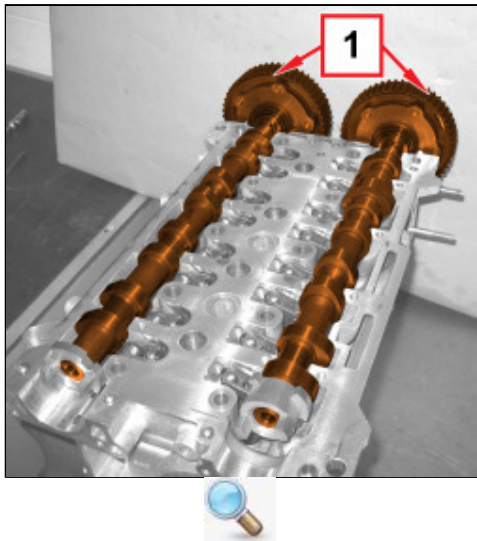


1. Apply a continuous strip of anaerobic sealant such as Loctite 5205 N. 63934713 in the area shown, minimum diameter 1.8 mm.
2. Apply a continuous strip of sealant such as Loctite 5900 N. 71719102 in the area shown, minimum diameter 2.0 mm.
3. Apply a continuous strip of anaerobic sealant such as Loctite 5205 N. 63934713 in the area shown, minimum diameter 1.5 mm.

Each time the sealing path is interrupted, the sealant must be curled back.

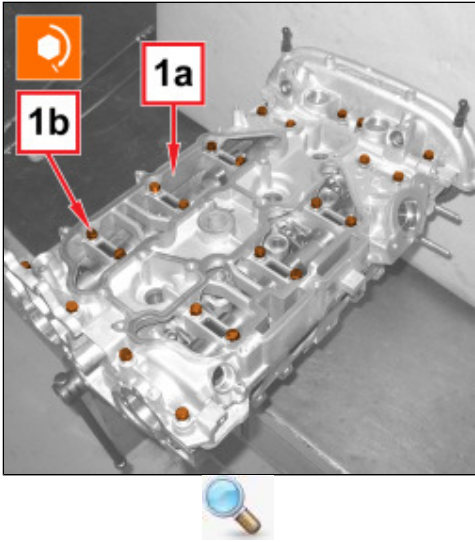
-  In each sealed section, the sealant application must start inside the surface towards the starting point (outwards) and then back.

1. Position the camshafts in their housings making sure that they are correctly positioned.



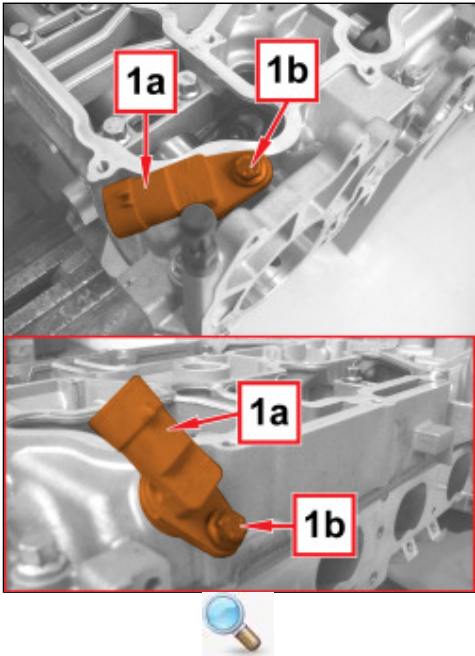
1. Place the upper head (1a) in position and tighten the screws (1b) to the prescribed torque.

Component	Fastening	Ø	Value (daNm)	Validity
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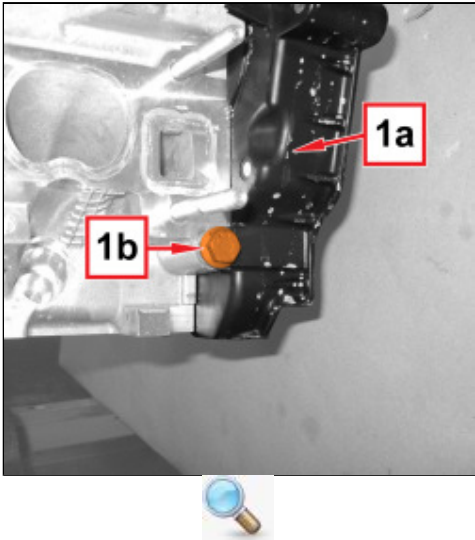


Camshaft housing	Screw	M7	1.3 ÷ 1.7	1750 Turbo Petrol
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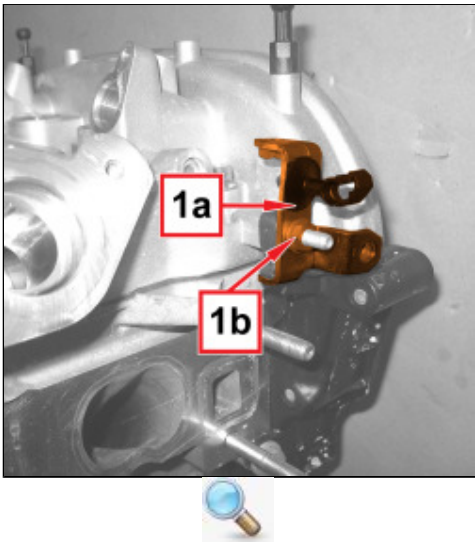
1. Fit the timing sensors (1a) in their housings making sure that they are correctly positioned and tighten the fixing screws (1b).



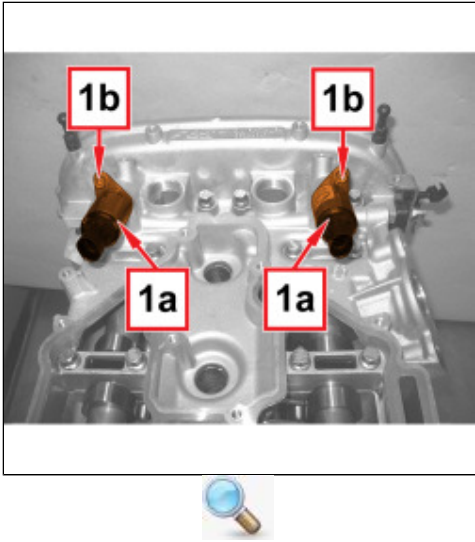
1. Fit the protective guard (1a) in its housing and tighten the fixing screw (1b).



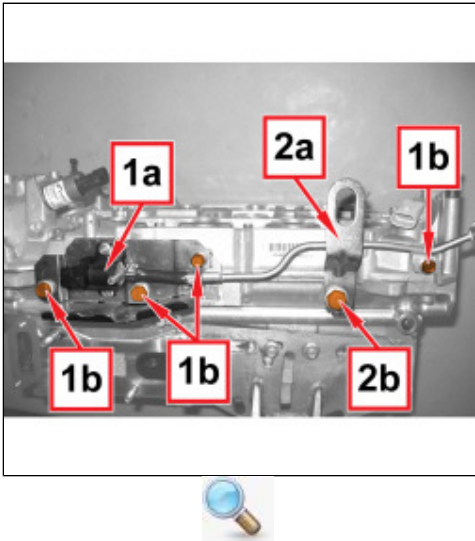
1. Fit the retaining bracket (1a) in its housing and tighten the fixing nut (1b).



1. Fit the variable valve timing solenoids (1a) in their housings making sure that they are correctly positioned and tighten the fixing screws (1b).

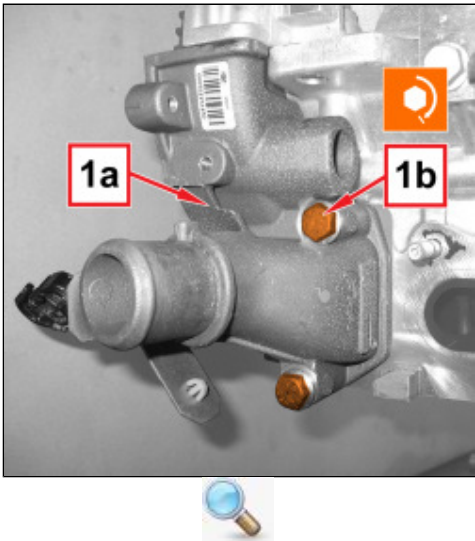


1. Fit the pipe and solenoid valve assembly (1a) in its housing and tighten the fixing screws (1b).
2. Fit the engine lifting bracket (2a) in its housing and tighten the fixing screw (2b) to the prescribed torque.



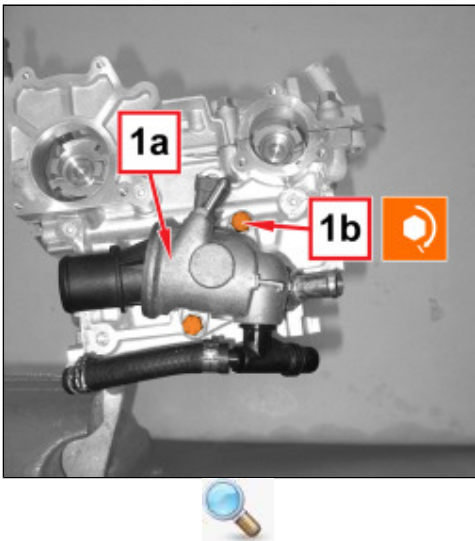
Component	Fastening	Ø	Value (daNm)	Validity
Engine lifting bracket	Screw	M10	4.5 ÷ 5.57	1750 Turbo Petrol

1. Fit the coolant intake manifold (1a) in its housing with seal and tighten the fixing screws (1b) to the prescribed torque.



Component	Fastening	Ø	Value (daNm)	Validity
Water pump manifold	Screw	-	2.3 ÷ 2.8	1750 Turbo Petrol

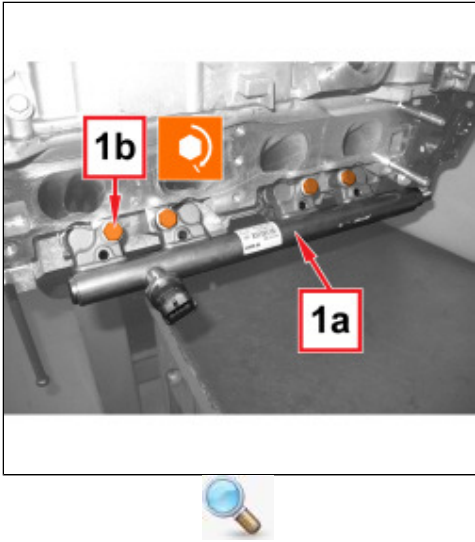
1. Fit the thermostat (1a) with seal in its housing and tighten the fixing screws (1b) to the prescribed torque.



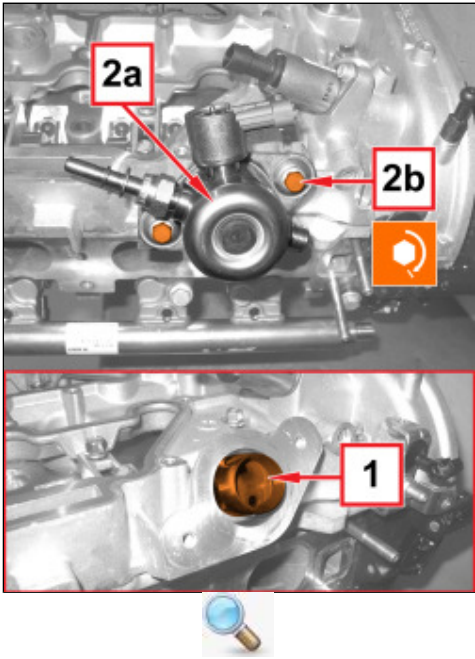
Component	Fastening	Ø	Value (daNm)	Validity
Thermostat	Screw	M8	2.3 ÷ 2.8	1750 Turbo Petrol

1. Fit the single fuel manifold pipe (1a) in its housing and tighten the fixing screws (1b) to the indicated torque.

Component	Fastening	Ø	Value (daNm)	Validity
Single fuel manifold				



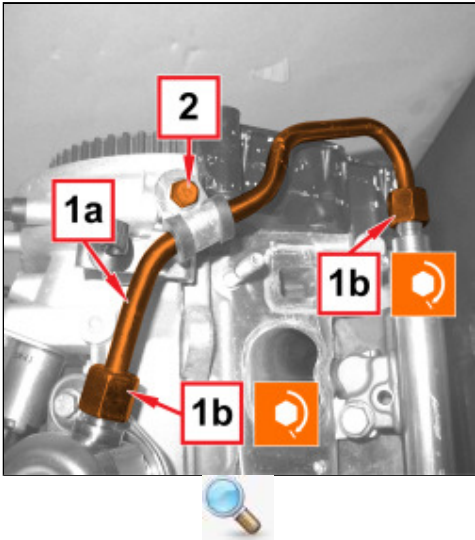
pipe	Screw	M8	2.0 ÷ 2.4	1750 Turbo Petrol
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1. Reposition the cup correctly in its housing.

2. Position the fuel pressure pump (2a) with gasket in its housing and tighten the fixing screws (2b) to the prescribed torque.

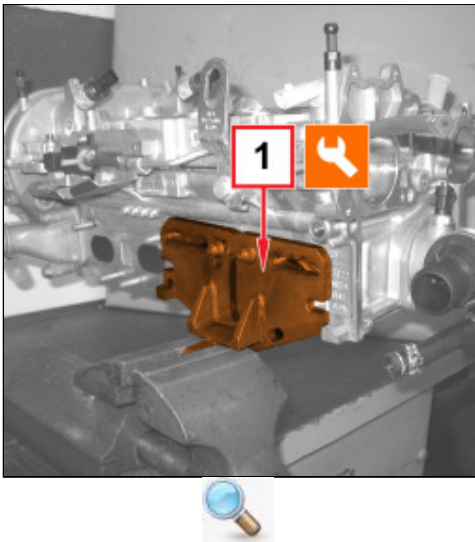
Component	Fastening	Ø	Value (daNm)	Validity
Pressure pump	Screw	M6	0.8 ÷ 1.0	1750 Turbo Petrol



1. Fit the fuel pipe (1a) in its housing and tighten the fixing connectors (1b) to the prescribed torque.

2. Tighten the screw fixing the fuel pipe retaining band.

Component	Fastening	Ø	Value (daNm)	Validity
High pressure pipe from pressure pump to single fuel manifold pipe	Connector	M14	2.0 ÷ 2.2	1750 Turbo Petrol

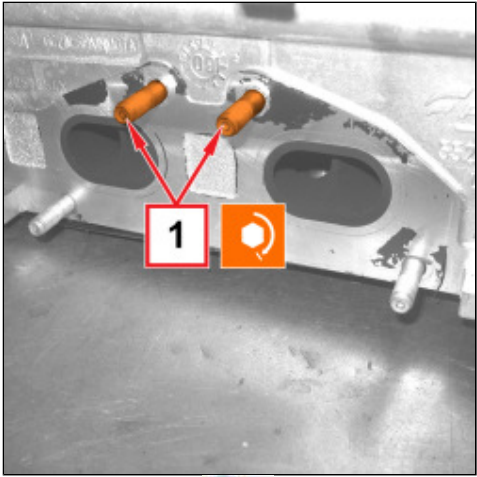


1. Release the cylinder head from the vice and remove the support tool.

Tool	Description	Function	Validity
1860470000	Mount	Cylinder head overhaul	1750 Turbo Petrol

1. Tighten the two cylinder head studs to the prescribed torque, exhaust side.

Component	Fastening	Ø	Value (daNm)	Validity
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Cylinder head stud for exhaust manifold	Stud	M8	0.8 ÷ 1.4	1750 Turbo Petrol
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