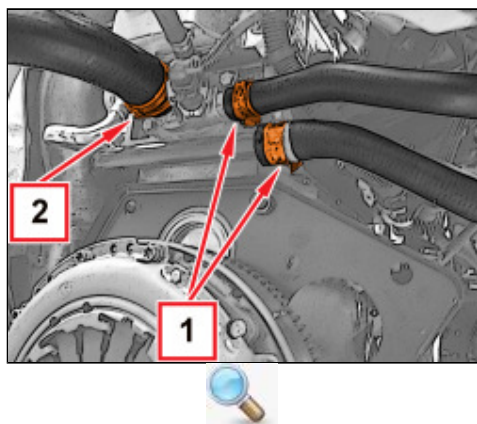
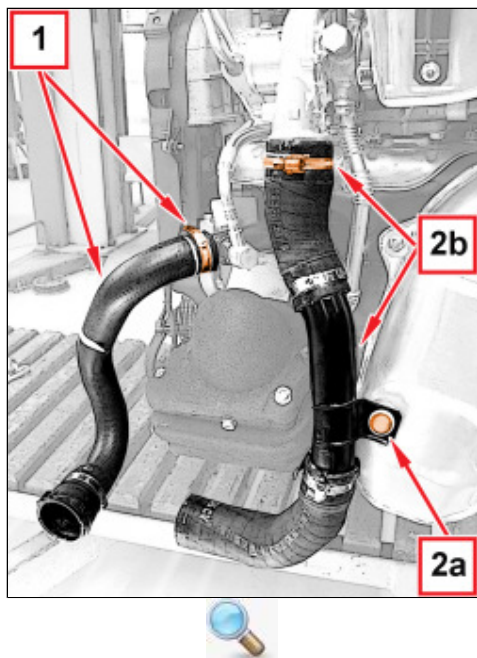


Rest the engine on the stand

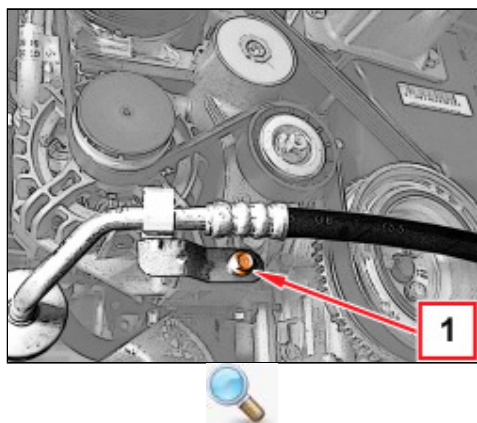
1. Loosen the bands and remove the heater water supply and return pipes, thermostat side.
2. Loosen the band and remove the radiator engine coolant delivery pipe, thermostat side.



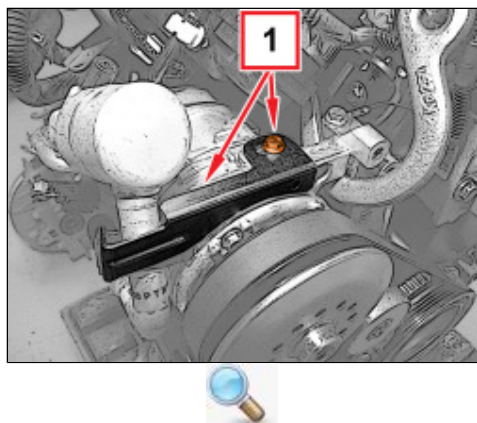
1. Loosen the band and remove the water pump return pipe.
2. Undo the screw (2a), loosen the clamp (2b) and remove air outlet pipes from the turbocharger.



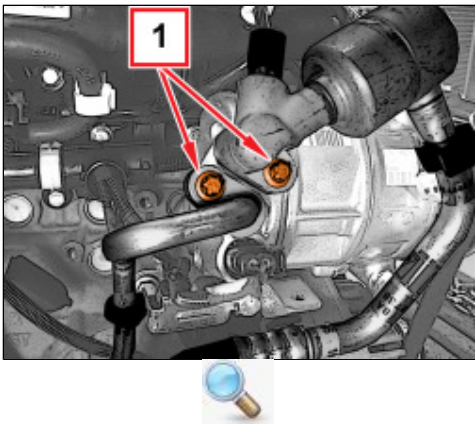
1. Undo the screw fastening the coolant delivery pipe retaining intermediate bracket.



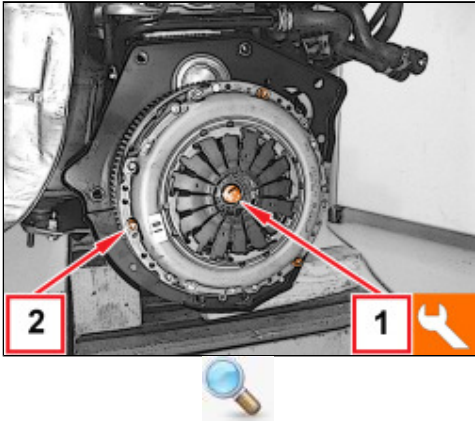
1. Undo the screw fastening the coolant return pipe retaining intermediate bracket.



1. Undo the screws and remove the coolant supply and return pipes from the air conditioning compressor.

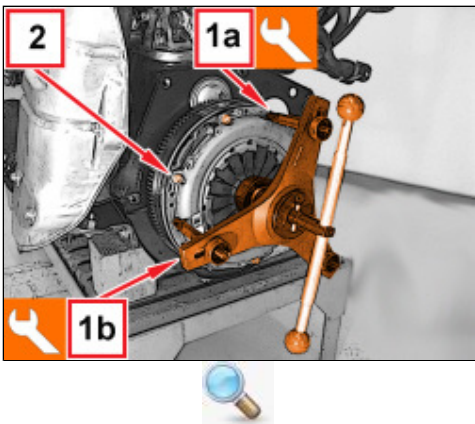


1. Fit the clutch centering tool.



Tool	Description	Function	Tool
2000035000	Clutch centering kit	Removing/refitting clutch mechanism	1.4 Turbo Petrol

2. Unscrew the three bolts securing the clutch mechanism at 120 degrees.



1. Fit the tools (1a) and (1b) as shown in the figure and rotate the handwheel until it touches the pins next to the flange.

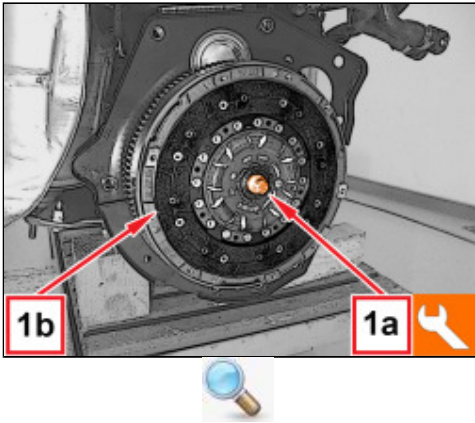
Tool	Description	Function	Tool
2000035000	Clutch centering kit	Removing/refitting clutch mechanism	1.4 Turbo Petrol
Tool	Description	Function	Tool
1871003100	Extractor/fitting tool	Removing/refitting clutch mechanism	1.4 Turbo Petrol

2. Undo the remaining screws securing the clutch mechanism to the flywheel.

- Undo the tool handwheel to release the clutch mechanism diaphragm spring.

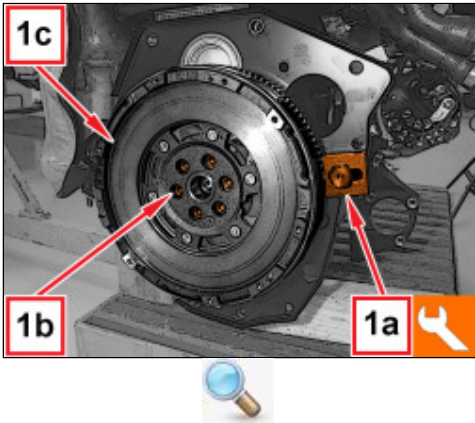
- Remove the tools and the clutch mechanism.

1. Remove the clutch locating tool (1a) with the clutch plate (1b).

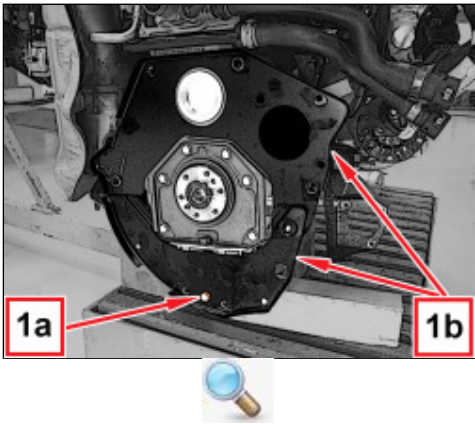


Tool	Description	Function	Tool
2000035000	Clutch centering kit	Removing/refitting clutch mechanism	1.4 Turbo Petrol

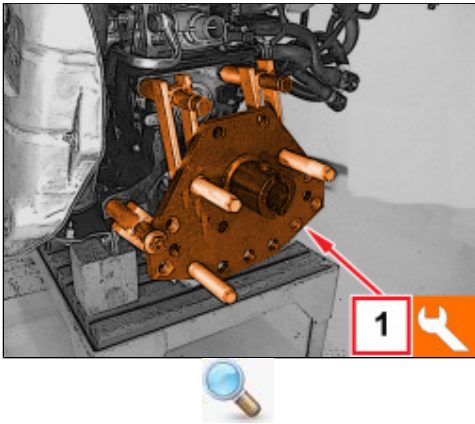
1. Fit the flywheel locking tool (1a), undo the screws (1b) and remove engine flywheel (1c)



Tool	Description	Function	Tool
1860846000	Counter-torque	Flywheel lock	1.4 Turbo Petrol

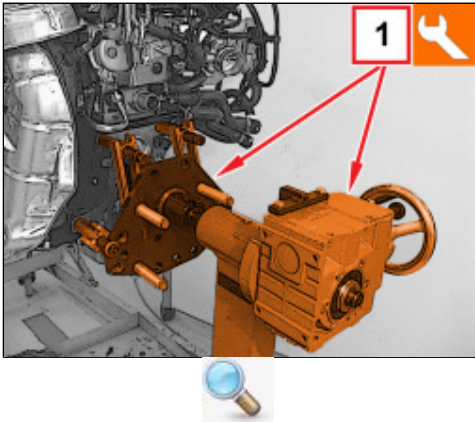


1. Undo the screw (1a) and remove the engine flywheel guards (1b).



1. Install the mounting bracket on the engine block.

Tool	Description	Function	Validity
1871000000	Bracket	Positioning engine on overhaul stand	1.4 Turbo Petrol

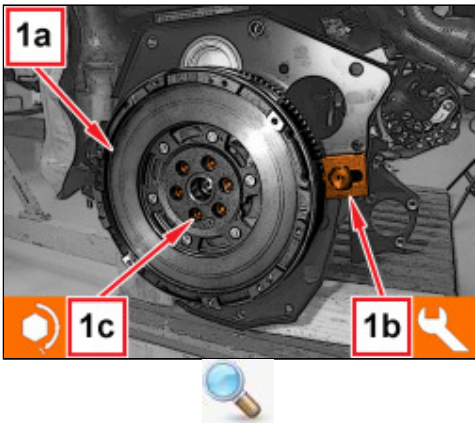


1. With a suitable hydraulic hoist, place the engine on the overhaul stand.

Tool	Description	Function	Validity
1871000000	Bracket	Positioning engine on overhaul stand	1.4 Turbo Petrol

Removal of engine from the stand

- Support the engine using the mounting tools and a suitable hydraulic hoist.
- Undo the fastenings securing the engine block to the overhaul stand bracket.
- Place the engine on a suitable board.
- Place the engine flywheel guards in position and tighten the screw securing them to the oil sump.

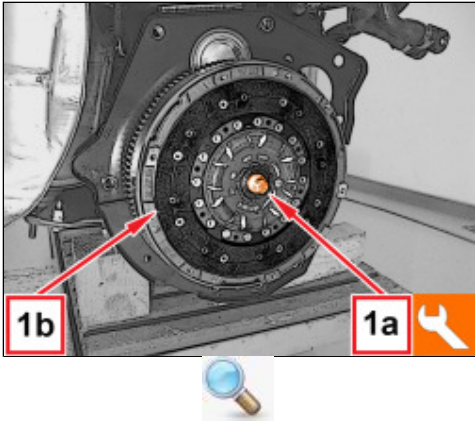


1. Place the engine flywheel (1a) in its housing, fit the flywheel locking tool (1b) and tighten the new screws (1c) - previously approached - to the prescribed torque.

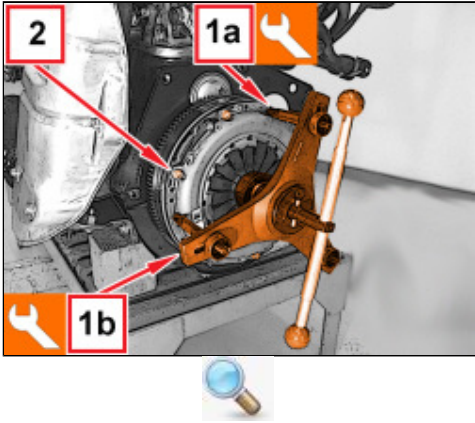
Tool		Description		Function		Tool	
1860846000		Counter-torque		Flywheel lock		1.4 Turbo Petrol	
Component	Fastening	Ø		Value (daNm)		Validity	
Engine flywheel	Screw (to be replaced)	M9		1.9 ÷ 2.1 + 50°		1.4 Turbo Petrol	

1. Install the clutch locating tool (1a) and the clutch plate (1b).

Tool	Description	Function	Tool
2000035000	Clutch centering kit	Removing/refitting clutch mechanism	1.4 Turbo Petrol



- Comply with the installation position of the clutch plate, as shown by the words "engine side" or "gearbox side".
- Handle the clutch plate with care, do not touch the friction lining surface with your hands.



1. Place the clutch mechanism in its housing and fit the tools (1a) and (1b).

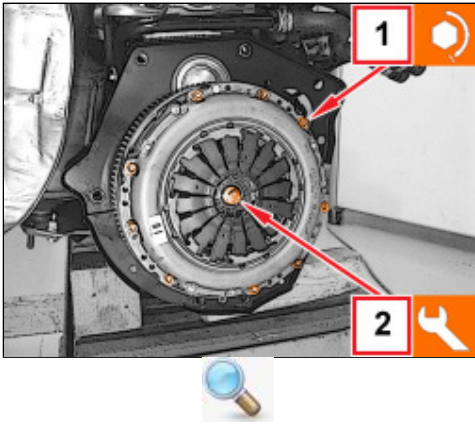
Tool	Description	Function	Tool
2000035000	Clutch centering kit	Removing/refitting clutch mechanism	1.4 Turbo Petrol
Tool	Description	Function	Tool
1871003100	Extractor/fitting tool	Removing/refitting clutch mechanism	1.4 Turbo Petrol

- Turn the tool handwheel until the pins are in contact with the flange.

2. Tighten the loose clutch fixing screws by hand, as shown in the figure.

- Undo the tool handwheel to release the clutch mechanism diaphragm spring.
- Remove the previously fitted tools, excluding the clutch locating tool.
- Tighten the three remaining clutch assembly retaining screws by hand.

1. Gradually tighten the screws securing the clutch crosswise until the prescribed torque is reached.



Component	Fastening	Ø	Value (daNm)	Validity
Clutch mechanism	Screw	M6	1.2 ÷ 1.5	1.4 Turbo Petrol

2. Remove the clutch locating tool.

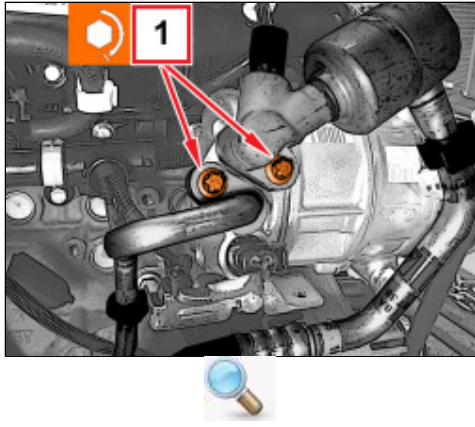
Tool	Description	Function	Tool
2000035000	Clutch centering kit	Removing/refitting clutch mechanism	1.4 Turbo Petrol

- Remove the flywheel locking tool.

Tool	Description	Function	Tool
1860846000	Counter-torque	Flywheel lock	1.4 Turbo Petrol

1. Place the coolant delivery and return pipes in their seats, connect the connectors to the compressor and tighten the screws to the prescribed torque.

Component	Fastening	Ø	Value (daNm)	Validity
Pipe connector on	Screw	M6	0.7 ÷ 1.1	1.4 Turbo MultiAir



compressor

1.4 Turbo Petrol

- Tighten the screws securing the coolant delivery and return pipe intermediate brackets.
- Connect the air outlet pipes from the turbocharger, tighten the clamp and the screw on the intermediate bracket.
- Connect the return pipe from the water pump and tighten the relevant band.
- Connect the engine coolant delivery pipe to the radiator, thermostat side, and tighten the relevant band.
- Connect the heater water delivery and return pipes, thermostat side and tighten the relevant bands.