

 Removing ([Refitting](#) )

- Place the vehicle on a lift.

[Op. 4450B04 RIGHT FRONT WHEEL - R.R.](#)

[Op. 7055B54 PROTECTION/GUARD UNDER ENGINE -R.R.](#)

[Op. 7055B66 ENGINE COMPARTMENT DUST COVER IN RIGHT FRONT WHEEL ARCH - R.R.](#)

[Op. 0010T20 ENGINE COOLANT - CHANGE](#)

[Op. 1016A10 SOUND-PROOFING COVER - R.R](#)

[Op. 1092G10 AUXILIARY COMPONENTS SINGLE DRIVE BELT - R.R.](#)

[Op. 1092A10 SERVICE PULLEY ON CRANKSHAFT - R.R.](#)

[Op. 1092G15 ENGINE COMPONENT SINGLE BELT MOVING TENSIONER - R.R. WITH BELT REMOVED](#)

[Op. 1092G20 ENGINE COMPONENT SINGLE BELT FIXED TENSIONER - R + R](#)

[Op. 1008B10 POWER UNIT FRONT SUPPORT FLEXIBLE MOUNTING \(TIMING SIDE\) - REPLACE](#)

[Op. 1032D12 TIMING SYSTEM PROTECTIVE COVER\(S\) - R + R](#)

[Op. 1008A46 TIMING SIDE POWER UNIT RIGID SUPPORT - R.R.](#)

[Op. 1048B27 RIGID PIPE FOR AIR INLET TO THROTTLE BODY - R R](#)

[Op. 3330D30 VACUUM UNIT - R.R.](#)

[Op. 1032B10 TOOTHED TIMING BELT - R.R. FOR TIMING OR REPLACEMENT](#)

[Op. 1016A26 TAPPET COVER WITH BUILT IN OIL VAPOUR SEPARATOR - R.R.](#)

[Op. 1076B72 INTERMEDIATE EXHAUST PIPE WITH HOSE SECTION - R+R](#)

[Op. 1048B58 TURBOCHARGER AIR BY-PASS VALVE - R.R.](#)

[Op. 1072C44 EXHAUST MANIFOLD HEAT SHIELD - R+R](#)

[Op. 1076A48 CATALYTIC CONVERTER HEAT SHIELD - R.R](#)

[Op. 1080B94 FRONT LAMBDA SENSOR TO WITH CATALYTIC CONVERTER - R.R](#)

[Op. 1080B62 CATALYTIC CONVERTER - R + R](#)

[Op. 1080B95 REAR LAMBDA SENSOR TO CATALYTIC CONVERTER - R.R](#)

[Op. 1084B42 ENGINE OIL RETURN PIPE FROM TURBO - R + R](#)

[Op. 1048A50 AIR INLET PIPE TO TURBOCHARGER - R + R](#)

[Op. 1088D14 UPPER RADIATOR COOLANT INLET HOSE - R.R.](#)

[Op. 1088D69 COOLANT RETURN PIPE FROM TURBOCHARGER - R.R.](#)

[Op. 1048A51 RIGID AIR INTAKE HOSE TO TURBOCHARGER - R.R](#)

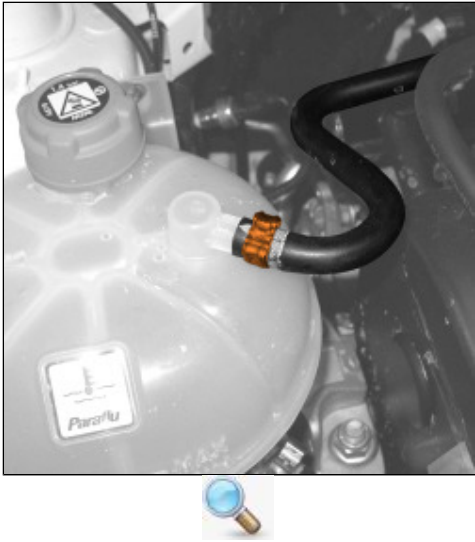
[Op. 1064A27 PIPE BETWEEN VACUUM RESERVOIR AND ACTUATOR CONTROL SOLENOID VALVE - R.R.](#)

[Op. 1048B27 RIGID PIPE FOR AIR INLET TO THROTTLE BODY - R R](#)

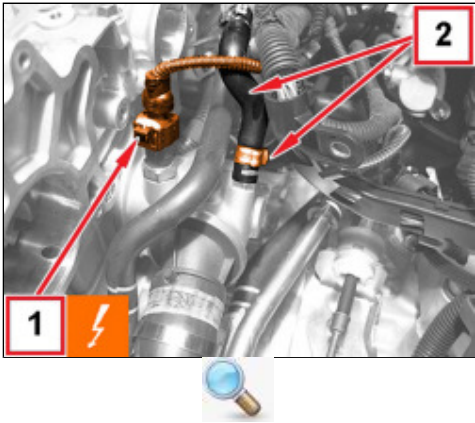
[Op. 1056F82 CONTROL UNIT \(ONE\) FOR INJECTION IGNITION SYSTEM - R.R.](#)

[Op. 1072B50 AIR CHAMBER - R.R.](#)

1. Loosen the band and disconnect the degassing pipe from the engine coolant reservoir.

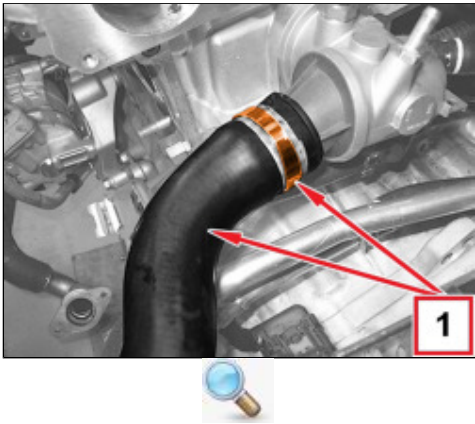


1. Detach the electrical connection for the engine coolant temperature sensor.

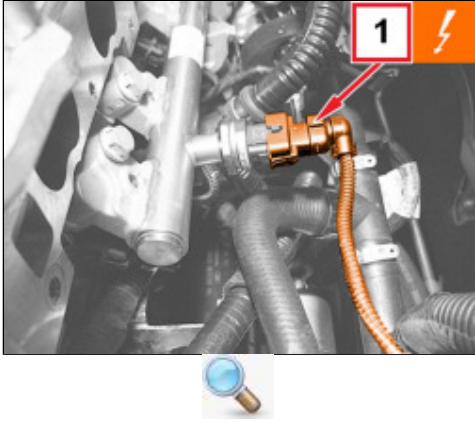


	Description	Connector
1	Engine coolant temperature sensor/sender unit	See K036 ENGINE COOLANT TEMPERATURE SENSOR/SENDER UNIT

2. Loosen the band and disconnect the degassing pipe from the thermostat.

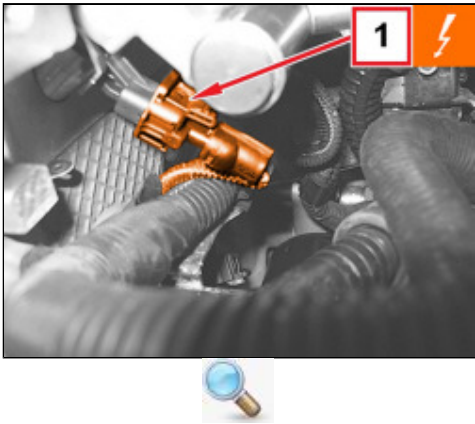


1. Loosen the band and disconnect the radiator engine coolant supply pipe, thermostat side.



1. Disconnect the electrical connection for the fuel pressure sensor.

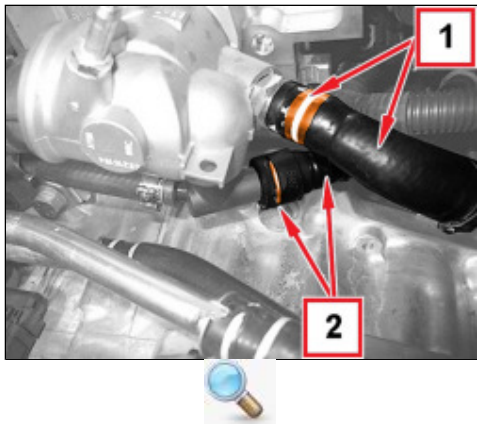
	Description	Connector
1	Fuel pressure sensor	See K083 FUEL PRESSURE SENSOR



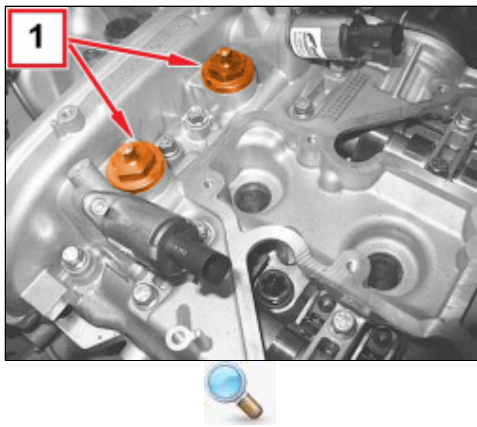
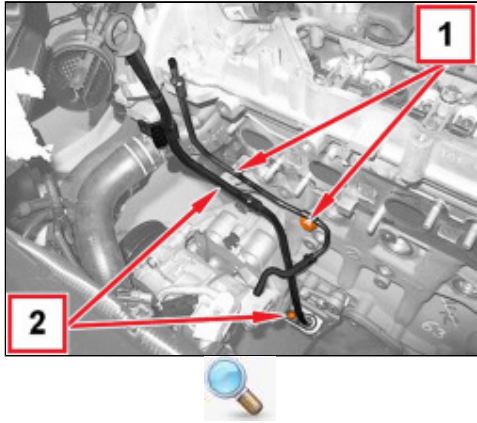
1. Detach the electrical connections for the injectors.

	Description	Connector
1	Injector	See N070 INJECTOR

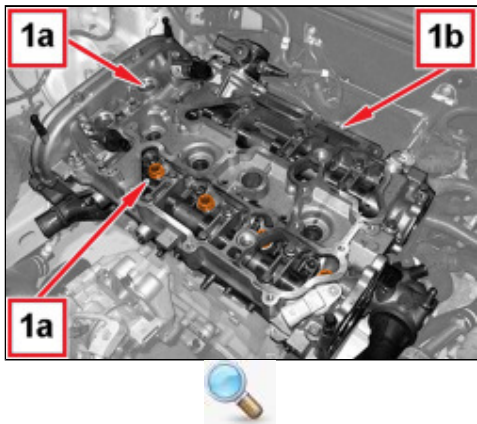
1. Loosen the band and disconnect the heater engine coolant supply pipe.
2. Disconnect the quick connector for the engine coolant delivery pipe to the engine oil heat exchanger.



1. Undo the screw and remove the turbocharging air by-pass valve pipe.
2. Undo the screw and remove the oil dipstick tube.



1. Undo the the pipe channel retainer pins.



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

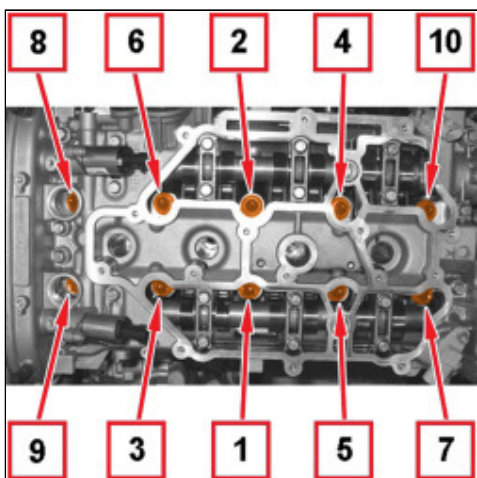
- Remove the gasket and the locating bushes.

 Refitting ([Removing](#) )

 Rotate the crankshaft so that the piston crown is under the crankcase surface, to avoid any interference with the valves during cylinder head assembly.

- Fit a new gasket for cylinder head and the locating bushes.

- Place the cylinder head on the crankcase so that locating bushes match; tighten the screws to the prescribed torque, following the order shown in the figure.



 Tighten the screw to a torque of 2.0 daNm, tighten to 4.0 daNm and then make an angle tightening of 90° + 90° + 90°.

Component	Fastening	Ø	Value (daNm)	Validity
Cylinder head	Screw	M10	4.0 + 90° + 90° + 90°	1750 Turbo Petrol



- Tighten the pipe channel retainer pins.
- Place the complete oil dipstick tube back in its housing and fasten it with the corresponding screw.
- Place the supercharging air by-pass valve pipe in its housing and tighten the corresponding screw.
- Connect the quick connector for the engine coolant delivery pipe to the engine oil heat exchanger.
- Connect the heater engine coolant supply pipe and tighten the band.
- Secure the electrical connections for the injectors.
- Connect the electrical connection for the fuel pressure sensor.
- Connect the radiator engine coolant delivery pipe, thermostat side, and tighten the relevant band.
- Connect the degassing pipe to the thermostat and tighten the band.
- Connect the electrical connection for the engine coolant temperature sensor.
- Connect the degassing pipe to the engine coolant reservoir and tighten the band.
- [Op. 1072B50 AIR CHAMBER - R.R.](#)
- [Op. 1056F82 CONTROL UNIT \(ONE\) FOR INJECTION IGNITION SYSTEM - R.R.](#)
- [Op. 1048B27 RIGID PIPE FOR AIR INLET TO THROTTLE BODY - R R](#)
- [Op. 1064A27 PIPE BETWEEN VACUUM RESERVOIR AND ACTUATOR CONTROL SOLENOID VALVE - R.R.](#)
- [Op. 1048A51 RIGID AIR INTAKE HOSE TO TURBOCHARGER - R.R](#)
- [Op. 1088D69 COOLANT RETURN PIPE FROM TURBOCHARGER - R.R.](#)
- [Op. 1088D14 UPPER RADIATOR COOLANT INLET HOSE - R.R.](#)
- [Op. 1048A50 AIR INLET PIPE TO TURBOCHARGER - R + R](#)
- [Op. 1084B42 ENGINE OIL RETURN PIPE FROM TURBO - R + R](#)
- [Op. 1080B95 REAR LAMBDA SENSOR TO CATALYTIC CONVERTER - R.R](#)
- [Op. 1080B62 CATALYTIC CONVERTER - R + R](#)
- [Op. 1080B94 FRONT LAMBDA SENSOR TO WITH CATALYTIC CONVERTER - R.R](#)
- [Op. 1076A48 CATALYTIC CONVERTER HEAT SHIELD - R.R](#)
- [Op. 1072C44 EXHAUST MANIFOLD HEAT SHIELD - R+R](#)
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[Op. 0010T20 ENGINE COOLANT - CHANGE](#)

[Op. 7055B66 ENGINE COMPARTMENT DUST COVER IN RIGHT FRONT WHEEL ARCH - R.R.](#)

[Op. 7055B54 PROTECTION/GUARD UNDER ENGINE -R.R.](#)

[Op. 4450B04 RIGHT FRONT WHEEL - R.R.](#)

- Remove the vehicle from the lift.