

## 11 71 100 Removing and installing/replacing exhaust-gas recirculation cooler (N57 D30 O/T 1)



### *Note:*

The adaptation values must be reset after cleaning or replacing the exhaust-gas recirculation cooler.



### **Warning!**

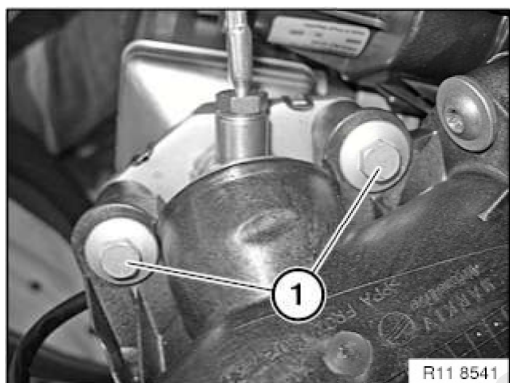
#### **Risk of burning!**

Only perform this repair work on an engine that has cooled down.



Necessary preliminary work:

- Remove front [acoustic cover](#) (not F25)
- Remove [fan cowl](#)
- Drain [coolant](#)

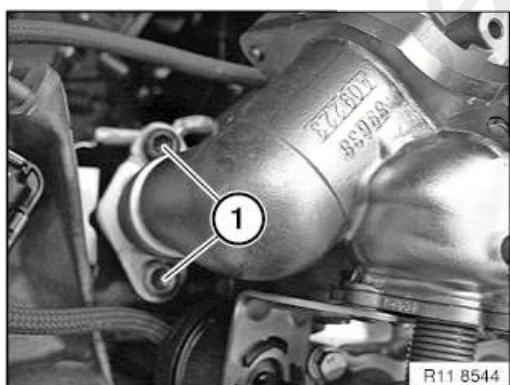


Release screws (1).

*Installation note:*

Renew gasket.

Tightening torque: [11 71 2AZ](#).



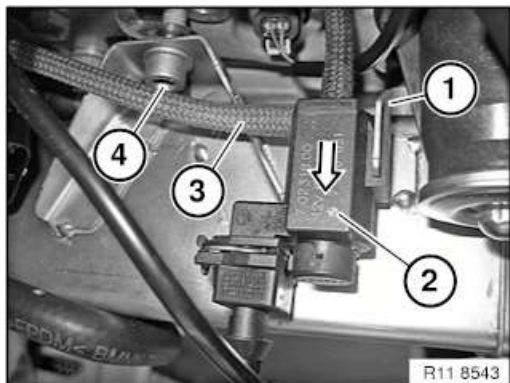
Release screws (1).

*Installation note:*

Renew screws (1) and seal.

Grease screws with [assembly paste 4.2](#).

Tightening torque: [11 71 1AZ](#).

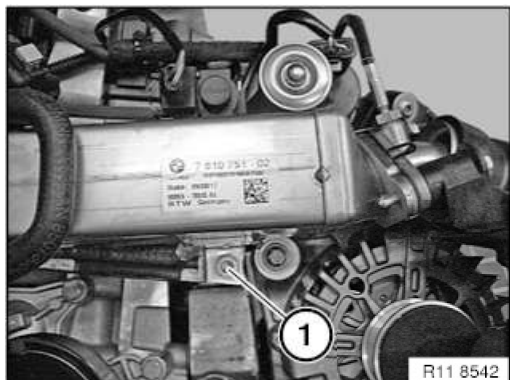


Loosen the electric changeover valve (2) at the retaining clip (1) and pull off in direction of arrow.

Detach vacuum line (3) from electric changeover valve (2).

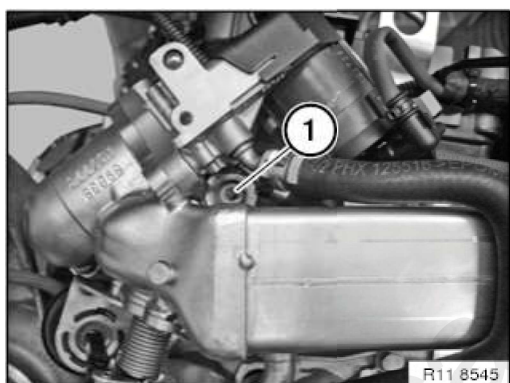
Release screw (4).

Tightening torque: [11 71 3AZ](#).



Release screw (1).

Tightening torque: [11 71 3AZ](#).



Release screw (1).

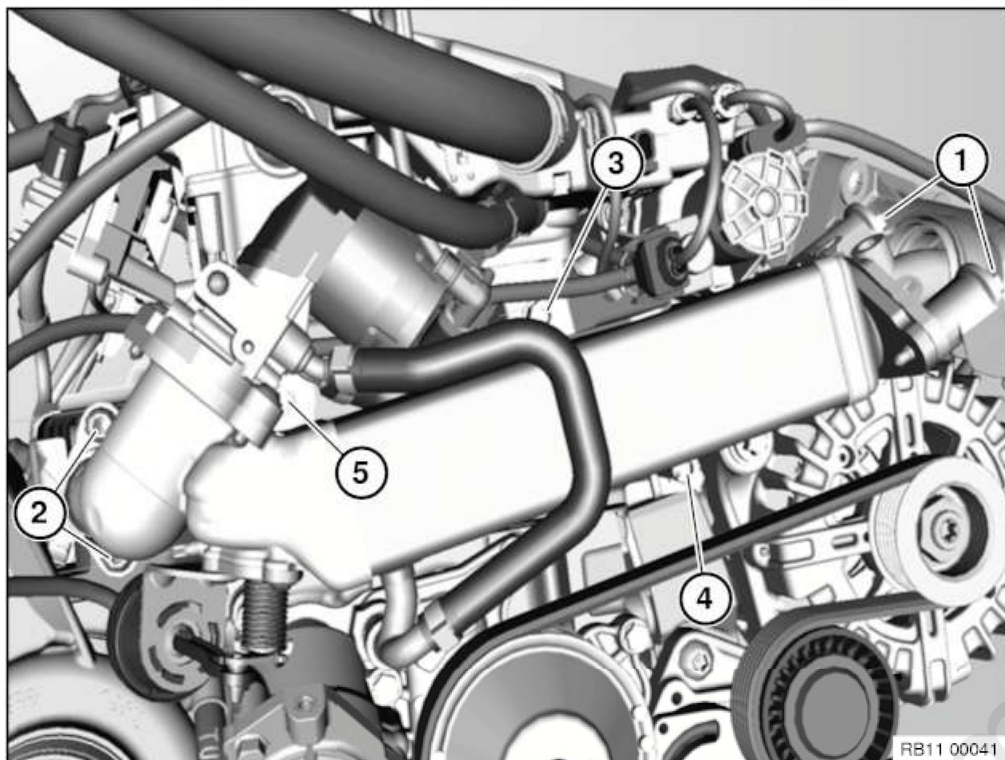
Tightening torque: [11 71 3AZ](#).

*Installation note:*

**Replace all gaskets.**

Renew pipe neck on exhaust-gas recirculation cooler.

Ensure that the pipe neck is mounted without tension.



*Installation note:*  
Replace screws (2) and seal.

Note screw sequence at the  
exhaust-gas guide module.  
Screwed connections in sequence  
(1) to (5).



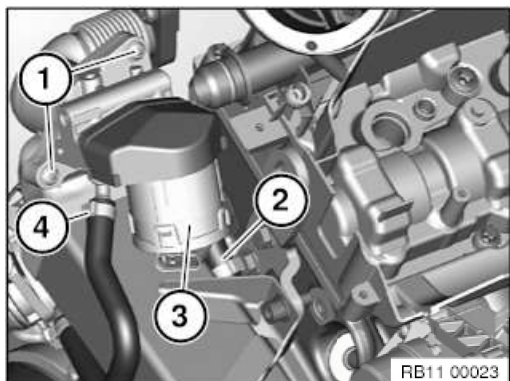
Assemble engine.

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**Necessary preliminary work:**

- Remove front [acoustic cover](#).



Release screws (1) on exhaust-gas recirculation valve (3).

Tightening torque [11 71 4AZ](#).

Release coolant lines (2 and 4).

Disconnect plug connection on exhaust-gas recirculation valve (3).

*Installation note:*

Replace O-ring.



Assemble engine.

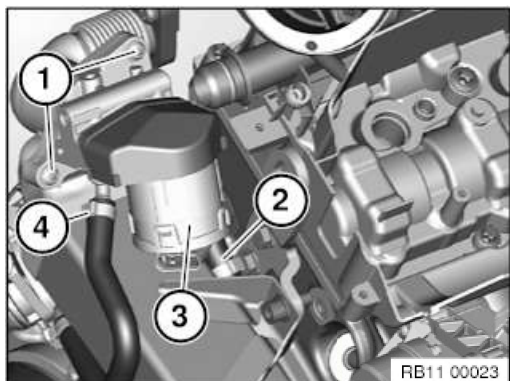
Add coolant.

Check function of Digital Diesel Electronics.



**Necessary preliminary work:**

- Remove front [acoustic cover](#).



Release screws (1) on exhaust-gas recirculation valve (3).

Tightening torque [11 71 4AZ](#).

Release coolant lines (2 and 4).

Disconnect plug connection on exhaust-gas recirculation valve (3).

*Installation note:*

Replace O-ring.



Assemble engine.

Add coolant.

Check function of Digital Diesel Electronics.