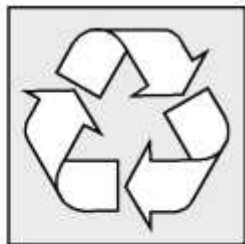


11 65 045**Removing and installing/replacing low-pressure exhaust turbocharger (large turbocharger) (N47S)****Special tools required:**

- 11 6 050

**Warning!****Risk of burning!**

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

**Recycling:**

Catch escaping engine oil with suitable auxiliary materials.
Observe country-specific waste disposal regulations.

Necessary preliminary tasks:

- Remove acoustic cover
- Remove air filter housing.



- Remove diesel particulate filter.
- Remove H.P. turbocharger.

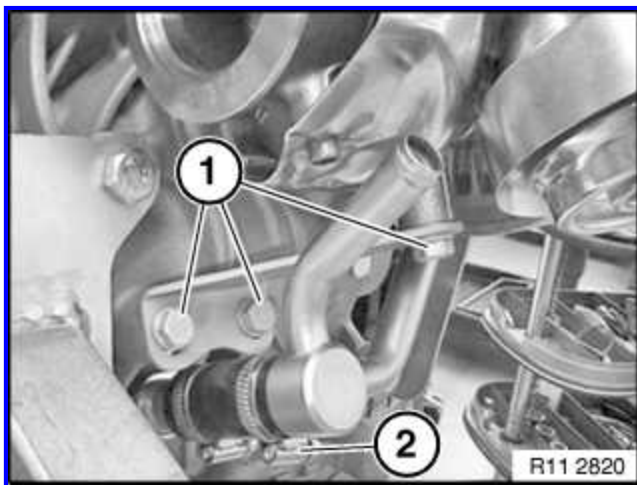


Important!

In event of exhaust turbocharger damage:

- Pressure pipes
- Charge air cooler
- Intake plenum

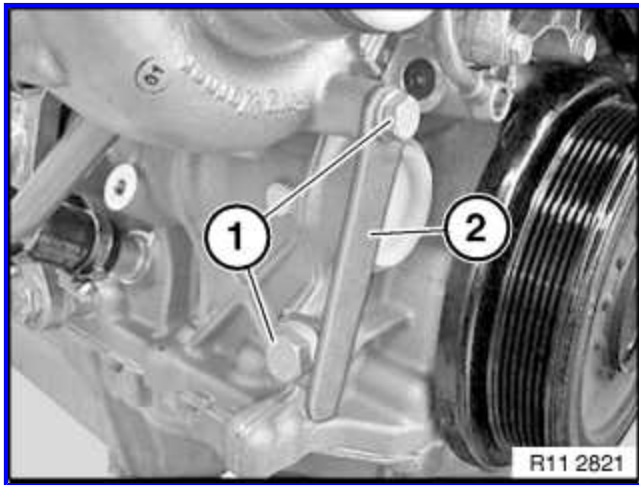
- must be checked for foreign bodies, damage and correct function.



Release screws (1) on holder.

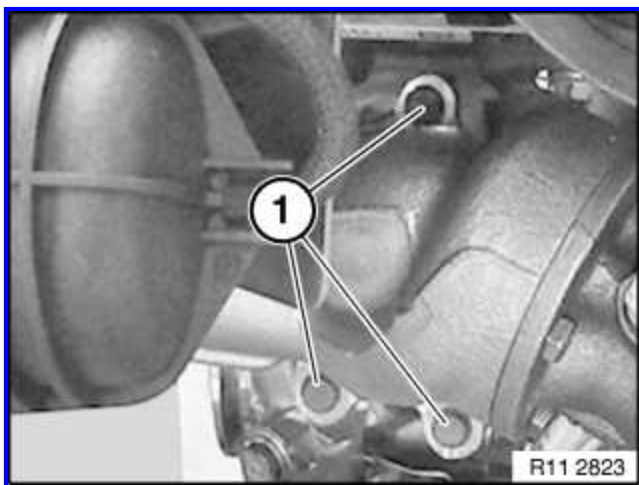
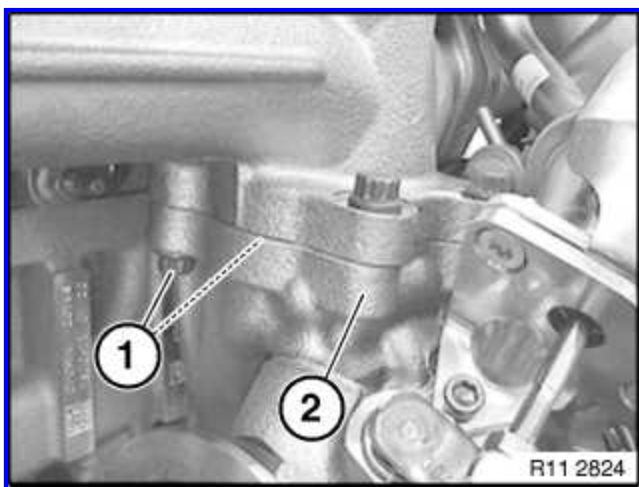
Release hose clamp (2)

Release bolts (1) on bracket (2).



Release screw (1) on exhaust turbocharger (2) with special tool 11 6 050 in conjunction with a hinged extension.

Tightening torque 11 65 3AZ.



Important!

Secure turbocharger against falling out.

Release screws (1) on exhaust turbocharger at top with special tool 11 6 050.

Remove exhaust turbocharger.

Tightening torque 11 65 3AZ.

Installation note:

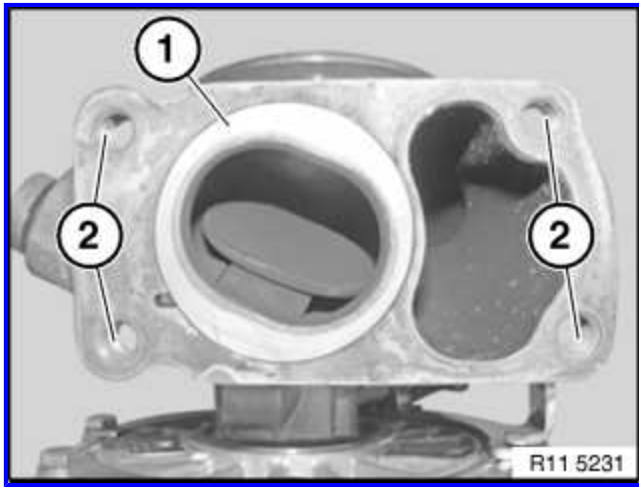
Apply a thin coating of copper paste to bolt thread.

To avoid damaging the threads and prevent exhaust turbocharger leakage, insert mounting bolts in 1/2 turns simultaneously.

Important!

Spacer ring (1) must be fitted without fail.

Clean threads (2) with thread cutter.



Assemble engine.