

2009 BMW 535i Sedan (E60) L6-3.0L Turbo (N54)

Vehicle > Engine, Cooling and Exhaust > Engine > Engine Lubrication > Oil Filter > Service and Repair > Removal and Replacement

REMOVING AND INSTALLING/REPLACING REAR LEFT CHARGE-AIR DUCT (N54, N54T) [REP-REP-RAE9211N54-1161368 - V.4]

Repair instruction

Removing and installing/replacing rear left charge-air duct (N54, N54T)

11 61 368 | REP-REP-RAE9211N54-1161368 - V.4

11 61 368 Removing and installing/replacing rear left charge-air duct (N54, N54T)



Necessary preliminary tasks:

- Switch off ignition.
- Remove intake silencer housing.



Only for E71 and only when replacing the charge air duct!

There is one less blow-off valve for the charge air duct. Therefore, the air duct, too, must be replaced with two blow-off valves.

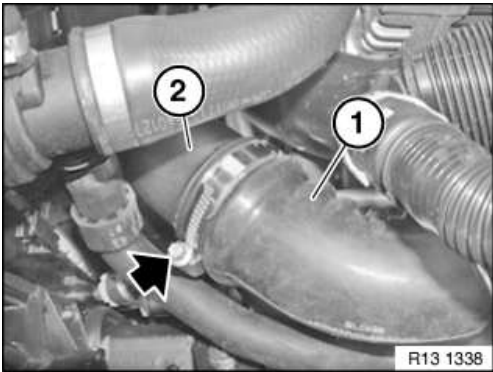
Conversion of the charge air duct is described at the end of the instructions.



Important!

Charge air hoses with clamp fastenings must be installed dry and free from grease!

If charge-air hoses with clamp fastenings are not installed dry and free from grease, this may result in turbocharger failure!



Loosen hose clamp.

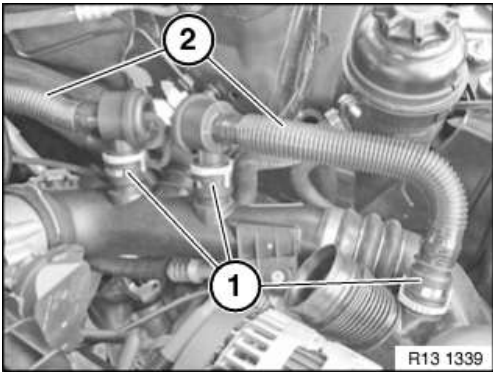
Tightening torque:

13 71 6AZ	Type	Thread	Tightening specifications	Dimension
6AZ Charge air cooler guide for charge air cooler before throttle body to charge air cooler line of charge air cooler to throttle body	N54 / N54T	Screwed hose clamp with tension spring		4.5 Nm

Installation note:

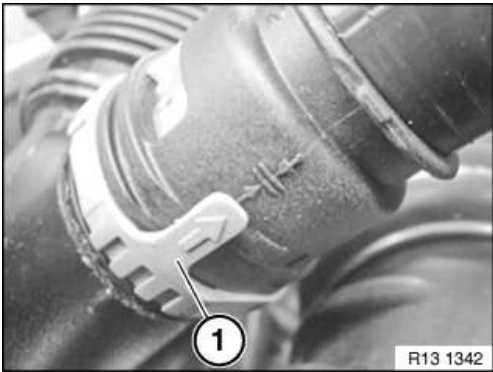
Install charge-air hoses dry and free from grease.

Detach charge-air hose (1) from charge-air duct (2).



Release snap fasteners (1) by turning lock through 90°.

Detach recirculated-air hoses (2) and lay to one side.

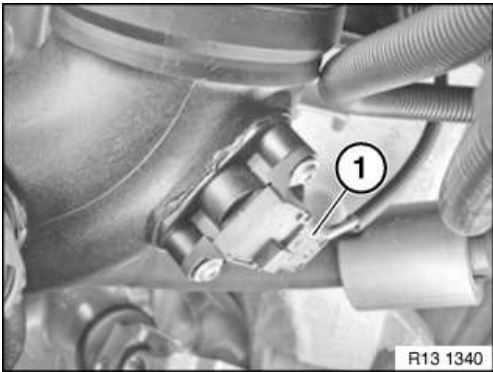


Installation note:

Bring lock (1) back 90° into installation position.

Pay attention to markings.

Recirculated-air hoses must snap audibly into place.

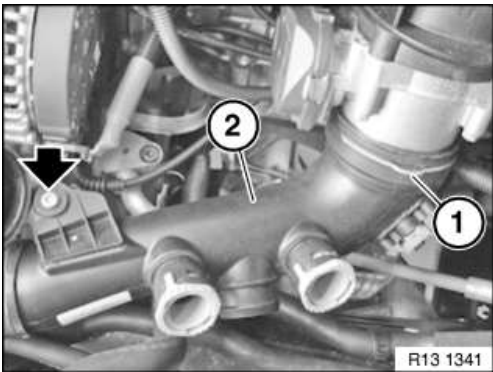


Unlock connector (1) and remove.



Important!

- Coat sealing rings of snap fasteners with lubricant.
- Pressure pipes cannot be fitted without lubricant!



Release screw.

Tightening torque:

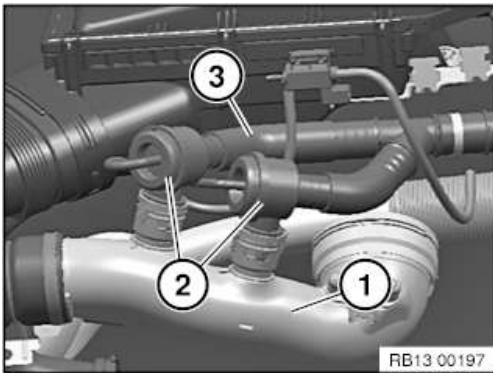
13 71 4AZ	Type	Thread	Tightening specifications	Dimension
4AZ Charge air guide to holder	N54 / N54T	M6 x 20		9 Nm

Unlock snap fastener (1).

Detach charge-air duct (2) from throttle body and remove.

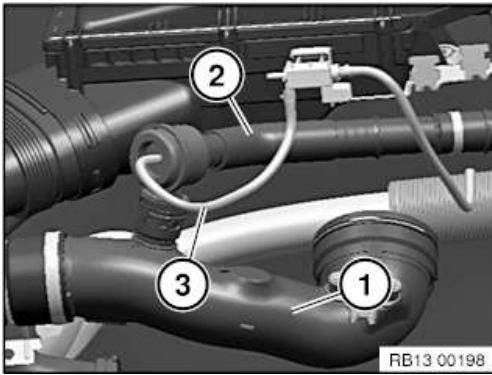
Installation note:

- Coat sealing ring of snap fastener with lubricant.
- Charge-air duct (2) must snap audibly into place.



Only for E71 and only when replacing the charge air duct!

If the charge air duct (1) is renewed, the Y-pipe (3) must be renewed with two blow-off valves (2). The vacuum hoses must be adapted.



Install the charge air duct (1) with a connection for the blow-off valve.

Install the blow-off pipe (2) with a blow-off valve. A vacuum line with a T-piece is no longer needed. Instead, install a new vacuum line (3) between the blow-off valve and the electric changeover valve or intake plenum.



Assemble engine.

Read out the fault memory of the DME control unit.