

11 61 050

Removing and installing air intake manifold

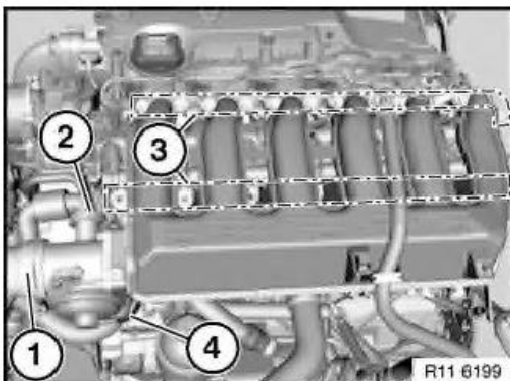
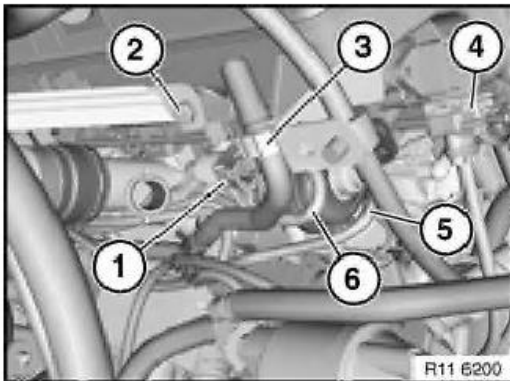
(M57T2)

Necessary preliminary tasks:

- Remove centre equipment compartment bulkhead (E65 only)
- Remove tension strut (E60/E61 only)
- Remove tension strut (E83 only)
- Remove acoustic cover at front and rear
- Disconnect plug connection (1).
- Release screw (2).
- Open holder (3).
- Disconnect plug connection (4).
- Pull off vacuum hose (5).
- Pull off vacuum hose (6).
- Release injector wiring harness and lay to one side.
- Unlock and detach charge air hose (1).
- Release pipe (2).
- Release screw connection along lines (3).
- Pull off vacuum hose (4).

Installation:

- Replace all seals.
- Assemble engine.
- Check function of DDE.



11 61 350

Removing and installing / replacing left pressure pipe (charge air hose) (M57T2)

Necessary preliminary tasks:

- Check function of DDE
- Remove engine underbody protection
- Remove acoustic cover

Important!

Pressure pipes cannot be fitted without antiseize agent.

Damaged shaped sealing rings will result in a pressure loss,

risk of damage to turbocharger.

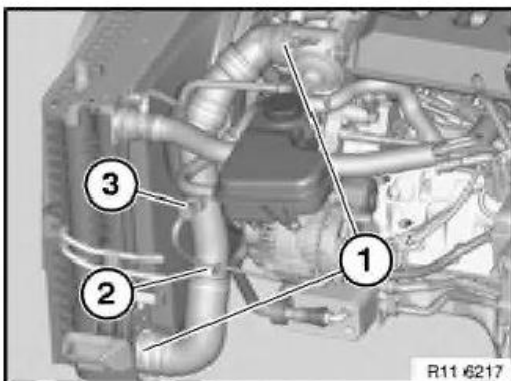
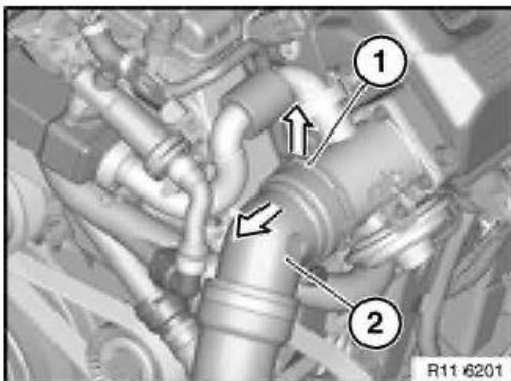
Unlock locking clip (1) in direction of arrow.

Release pressure pipe (2) in direction of arrow.

Release pressure pipe at points (1).

Detach cable from retainer (2).

Disconnect plug connection (3).



Installation:

Visually inspect shaped sealing ring (1) for correct seating and damage.

Coat all mounting fittings with anti-friction agent (2). Refer to Technical Data.

Lock locking clip (4).

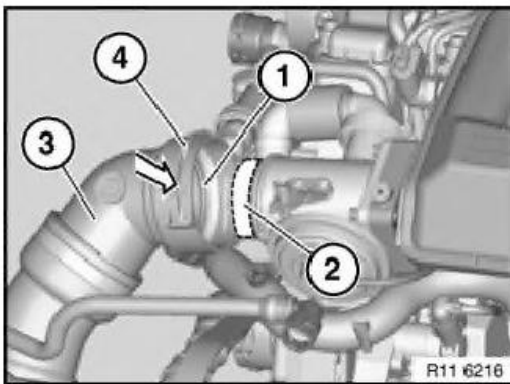
Attach pressure pipe (3) in direction of arrow.

Installation:

VDA couplings are correctly fitted when they snap into place with an audible click.

Check function of DDE.

Check pressure pipe for leaks.



11 61 350

**Removing and installing/replacing left
pressure pipe (charge air hose) (M57TU)**

Important!

Pressure pipes cannot be fitted without anti-friction agent.

Damaged shaped sealing rings will result in a pressure loss,

risk of damage to turbocharger.

Necessary preliminary tasks:

- Remove engine splash guard.

- Remove acoustic cover.

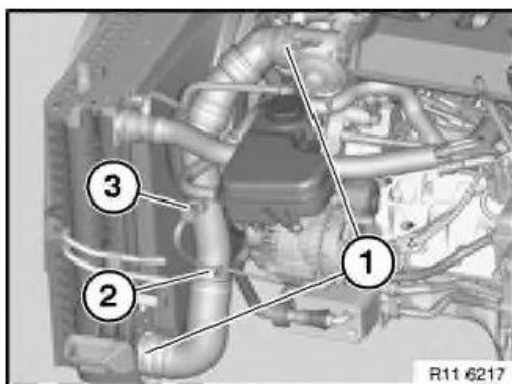
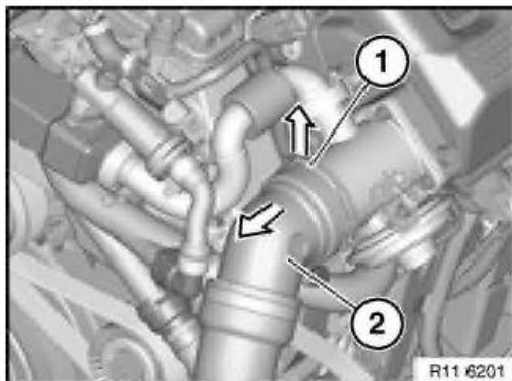
Unlock locking clip (1) in direction of arrow.

Release pressure pipe (2) in direction of arrow.

Release pressure pipe at points (1).

Detach cable from retainer (2).

Disconnect plug connection (3).



Installation:

Visually inspect shaped sealing ring (1) for correct seating and damage.

Coat all mounting fittings with anti-friction agent (2). Refer to Technical Data.

Lock locking clip (4).

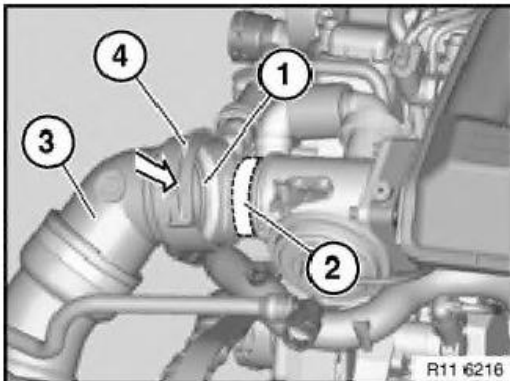
Attach pressure pipe (3) in direction of arrow.

Installation:

VDA couplings are correctly fitted when they snap into place with an audible click.

Check function of DDE.

Check pressure pipe for leaks.



11 61 360

Removing and installing / replacing right pressure pipe (charge air hose) (M57T2)

Necessary preliminary tasks:

- Remove underbody protection

- Remove air intake hose

Important!

Pressure pipes cannot be fitted without antiseize agent.

Damaged shaped sealing rings will result in a pressure loss, **risk of damage** to turbocharger.

Loosen screw (2).

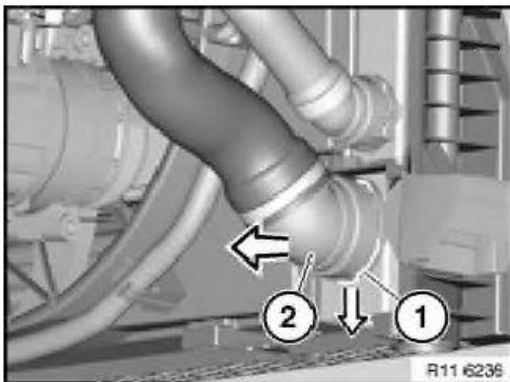
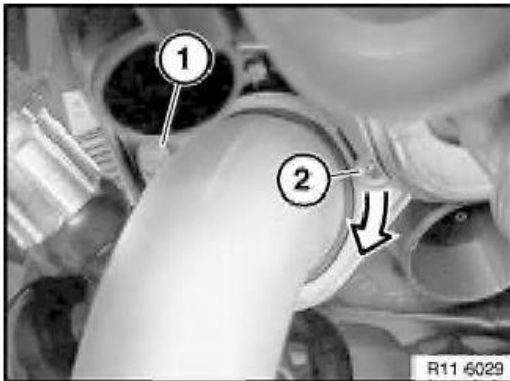
Release screw (1).

Turn retaining ring in direction of arrow.

Disconnect pressure pipe.

Unlock locking clip (1) in direction of arrow.

Release pressure pipe (2) in direction of arrow.



Installation:

Visually inspect shaped sealing ring for correct seating and damage.

Coat all mounting fittings with anti-friction agent (1). Refer to

Technical Data.

Lock locking clip on pressure pipe (2).

Attach pressure pipe (2) in direction of arrow.

Installation:

VDA coupling is correctly fitted when it snaps into place with an audible click.

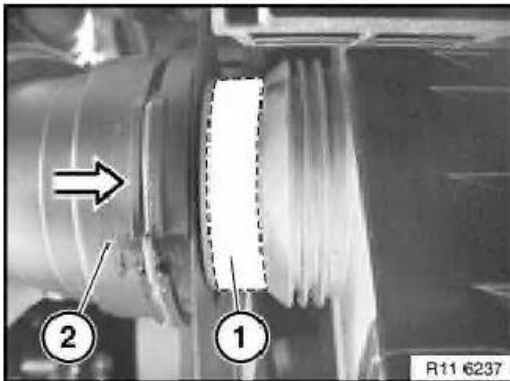
Check function of DDE.

Check pressure pipe for leaks.

Important!

Pressure pipes cannot be fitted without antiseize agent.

Damaged shaped sealing rings will result in a pressure loss, **risk of damage** to turbocharger.



11 61 360

Removing and installing/replacing right pressure pipe (charge air hose)

Necessary preliminary tasks:

- Remove underbody protection.

- Remove intake hose.

Important!

Pressure pipes cannot be fitted without anti-friction agent.

Damaged shaped sealing rings will result in a pressure loss,

risk of damage to turbocharger.

Note:

Do not release screw (2).

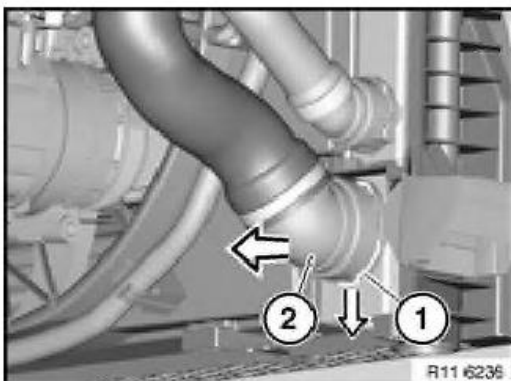
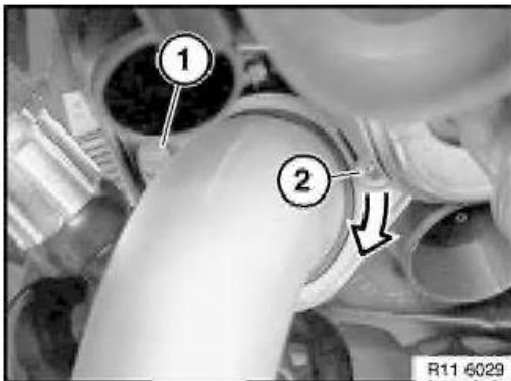
Unscrew bolt (1).

Turn retaining ring in direction of arrow.

Remove pressure pipe.

Unlock locking clip (1) in direction of arrow.

Release pressure pipe (2) in direction of arrow.



Installation:

Visually inspect shaped sealing ring for correct seating and damage.

Coat all mounting fittings with anti-friction agent (1). Refer to Technical Data.

Lock locking clip on pressure pipe (2).

Attach pressure pipe (2) in direction of arrow.

Installation:

VDA coupling is correctly fitted when it snaps into place with an audible click.

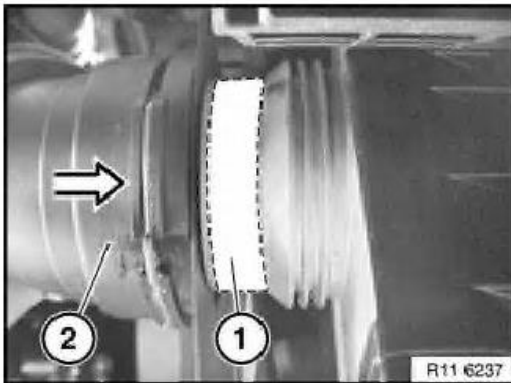
Check function of DDE.

Check pressure pipe for leaks.

Important!

Pressure pipes cannot be fitted without anti-friction agent.

Damaged shaped sealing rings will result in a pressure loss, **risk of damage** to turbocharger.



11 71 100

Removing and installing or replacing EGR cooler (N47)

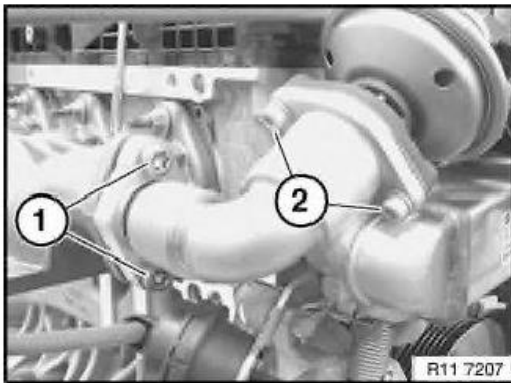
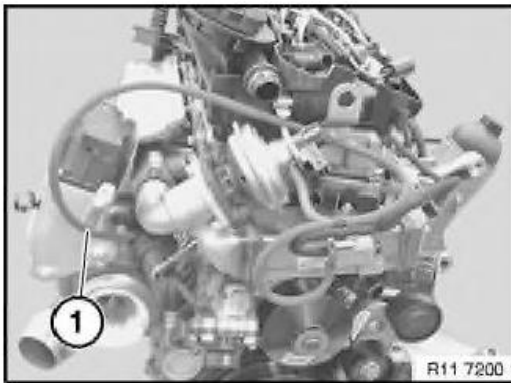
Warning!

Scalding hazard!

Only perform these tasks on an engine that has cooled down.

Necessary preliminary tasks:

- Remove acoustic cover
- Remove fan cowl
- Drain coolant from radiator.
- Pull off vacuum hose (1).
- Connect vacuum pump to vacuum unit of bypass valve.
- Check function of exhaust-gas recirculation with a vacuum pump.
- Release screws (2).
- Detach vacuum unit.



Release screws (1).

Installation:

Replace seal.

Release screws (1).

Release screw (1).

Installation:

Replace all seals.

Assemble engine.

Vent cooling system.

Check cooling system for leaks.

