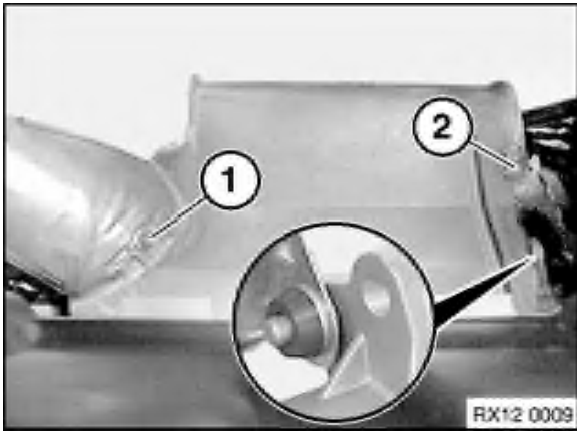


Necessary preliminary tasks:

- Switch off ignition
- Disconnect battery
- Remove exhaust manifold

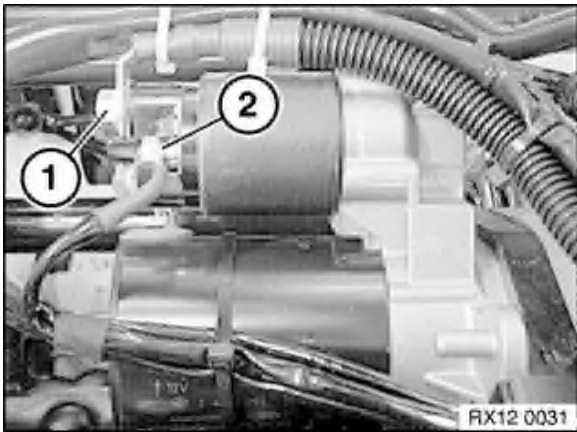


Unscrew bolt (1).

Release retaining clip (2).

Remove heat shield.

Tightening torque 12 41 1AZ .



Disconnect battery positive lead (1).

Tightening torque 12 41 2AZ .

Unscrew nut (2).

Tightening torque 12 41 3AZ .

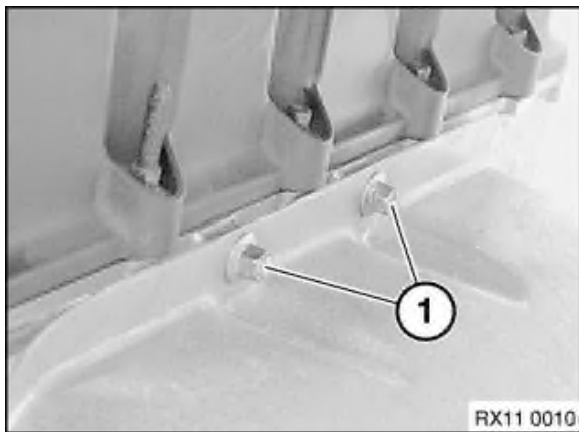
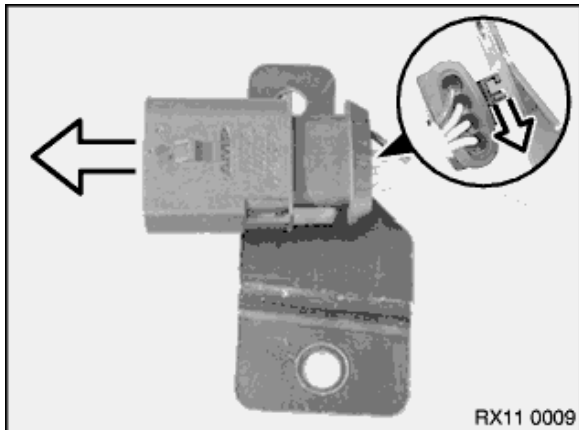
Note: Pay attention to cable routing. (Do not lay cable over solenoid switch.)

12 41 Starter and Mounting Parts

	Type	Thread	Tightening specification	Measure
1AZ Starter motor heat shield	W10/W11	M6		9 Nm
2AZ Alternator connection on starter	W10/W11			14 Nm
3AZ Engine harness to starter solenoid	W10/W11			8 Nm
4AZ Starter motor to gearbox	W10			85 Nm

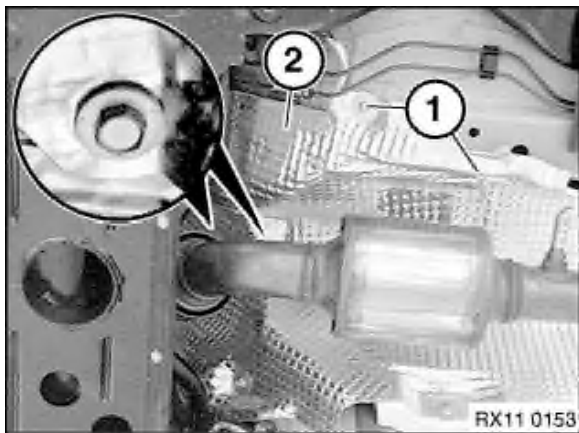
Detach exhaust system from manifold.

Disconnect both oxygen sensor connectors.



Undo retaining screws (1) for heat shield.

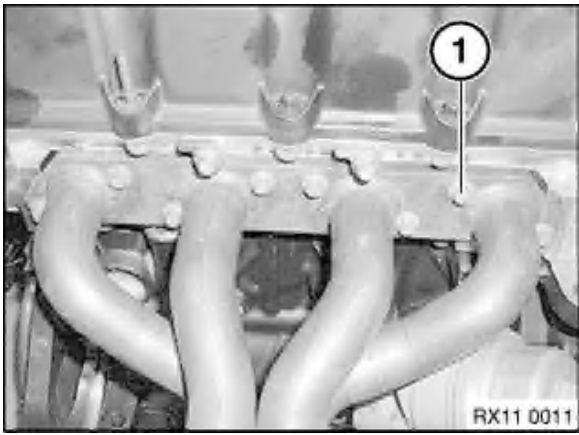
Tightening torque 11 62 1AZ .



Undo retaining screws (1) for heat shield.

Detach heat shield (2).

Note: Routing of wiring harness.



Unscrew 8 retaining screws (1) at exhaust manifold.

Remove exhaust manifold.

Installation note:

Make sure that the mating surfaces of cylinder head and manifold are clean.

Fit new gasket.

Tightening torque 11 62 2AZ .

11 62 Exhaust manifold

	Type	Thread	Tightening specification	Measure
1AZ Tightening torque, heat shield to cylinder head	W10 / W11	M8 x 20		13 Nm
2AZ Tightening torque, manifold screws	W10 / W11	M8 x 30		24 Nm