

2015 BMW X3 xDrive 28i AWD (F25) L4-2.0L Turbo (N20)

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

REMOVING AND INSTALLING/REPLACING FULL-FLOW OIL FILTER (N20, N26) [REP-REP-RAF1011N20-1142020 - V.16]

Repair instruction

Removing and installing/replacing full-flow oil filter (N20, N26)

11 42 020 | REP-REP-RAF1011N20-1142020 - V.16

11 42 020 Removing and installing/replacing full-flow oil filter (N20, N26)

Special tools required:

- 11 9 240
- 17 2 053



Warning!

Risk of scalding!

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



Recycling:

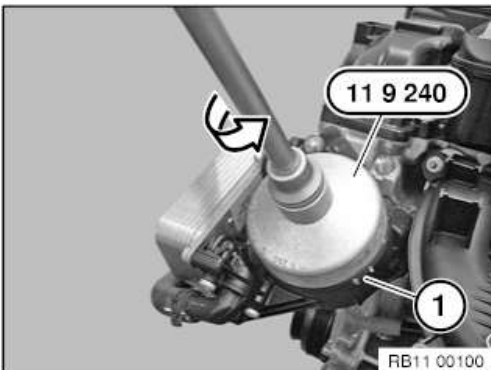
Catch and dispose of drained coolant.

Observe country-specific waste disposal regulations.



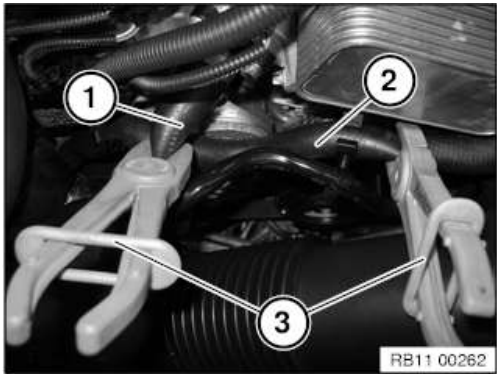
Necessary preliminary work:

- Remove intake plenum.
- Protect drive belt and alternator against dirt with suitable auxiliary materials.



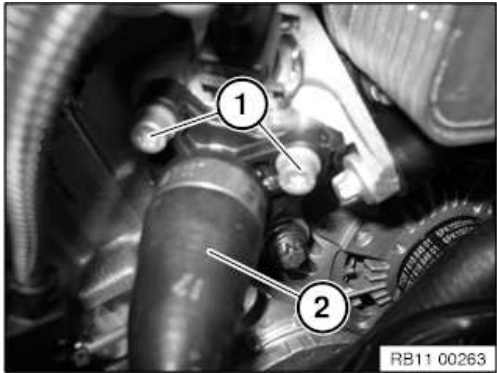
Loosen oil filter lid with special tool 11 9 240 .

Close off coolant hoses (1 and 2) with clamping tongs (3).



Release screws (1).

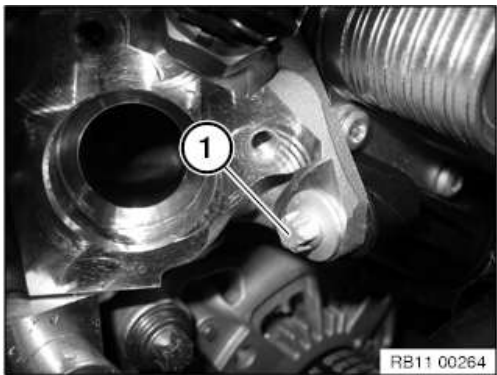
Detach coolant hose (2).



Release screw (1).

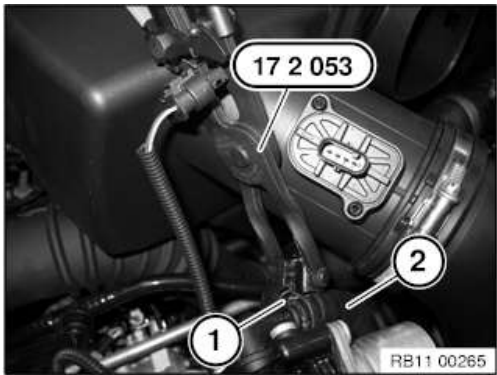
Tightening torque:

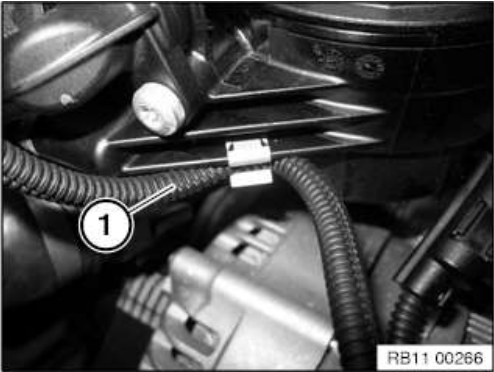
11 42 2AZ.	Type	Thread	Tightening specifications	Dimension
2AZ Oil filter housing to cylinder head	N20 / N26	M8 x 55 M8 x 43 M8 x 28		22 Nm



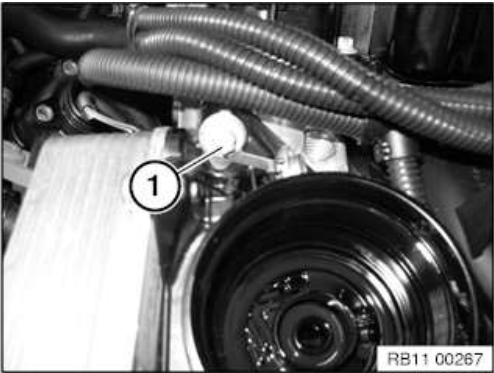
Release clamp (1) with special tool 17 2 053 .

Detach coolant hose (2).





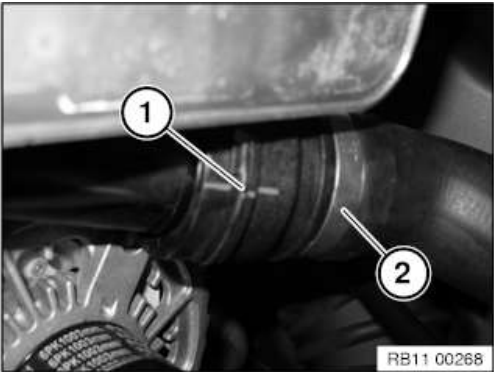
Unclip engine wiring harness (1).



Release screw (1).

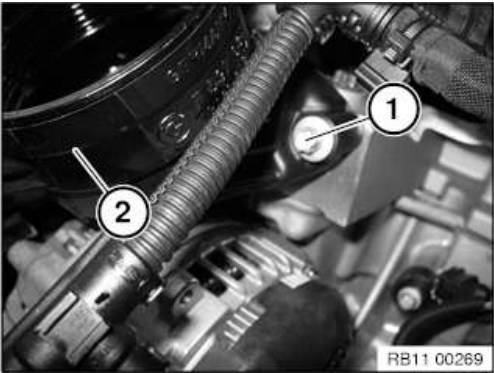
Tightening torque:

11 42 2AZ.	Type	Thread	Tightening specifications	Dimension
2AZ Oil filter housing to cylinder head	N20 / N26	M8 x 55 M8 x 43 M8 x 28		22 Nm



Unlock retainer (1).

Detach coolant hose (2).



Release screw (1).

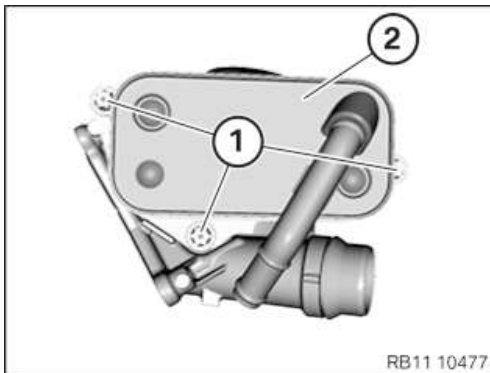
Tightening torque:

11 42 2AZ.	Type	Thread	Tightening specifications	Dimension
2AZ Oil filter housing to cylinder head	N20 / N26	M8 x 55 M8 x 43 M8 x 28		22 Nm

Remove oil filter housing (2).

Installation note:

Replace all gaskets.

**Preparation for installation:**

When replacing the oil filter housing, the heat exchanger (2) has to be remounted.

Remove screws (1) and dismount heat exchanger for heating system (2) from oil filter housing.

Renew gaskets.

Mount heat exchanger for heating system (2) onto new oil filter housing and fix in place using **new** screws (1).

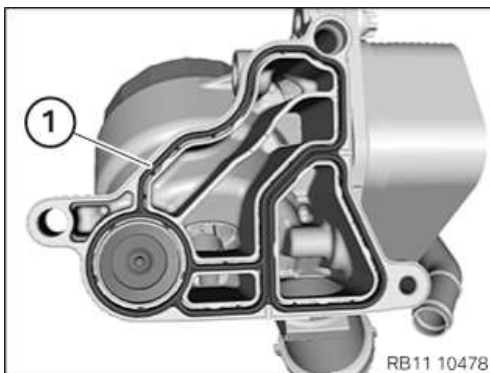
Tighten screws (2).

**Tightening torque:**

Jointing torque 18 Nm

+

Angle of rotation 20°



Replace gasket (1) on oil filter housing.



Assemble engine.

Installation note:

Bleeding instruction must be observed without fail.