

2019 BMW 330i xDrive Sedan (G20) L4-2.0L Turbo (B46D)

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

INSTALL INTAKE PLENUM [REP-TAT-P-1161-02-G31_B48]

Install intake plenum

REP-TAT-P-1161-02-G31_B48



RISK OF DAMAGE

Improper routing of cables and wiring harnesses.

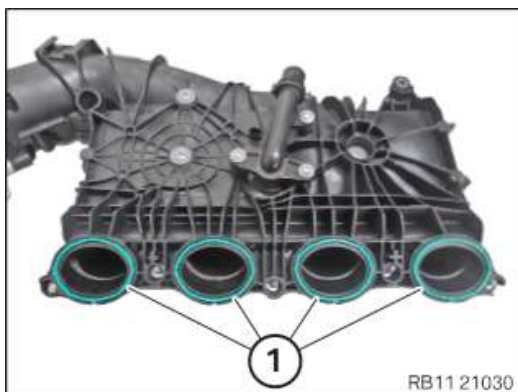
Trapped, crushed or damaged cables may cause short circuits and malfunctions.

- Route all cables without abrasions, do not trap and crush.



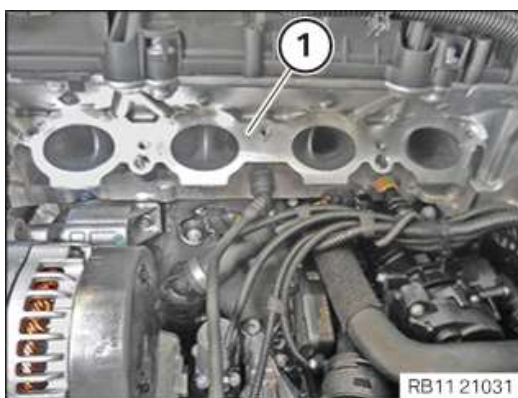
TECHNICAL INFORMATION

Make sure that the connections are locked correctly. The locks must engage audibly.

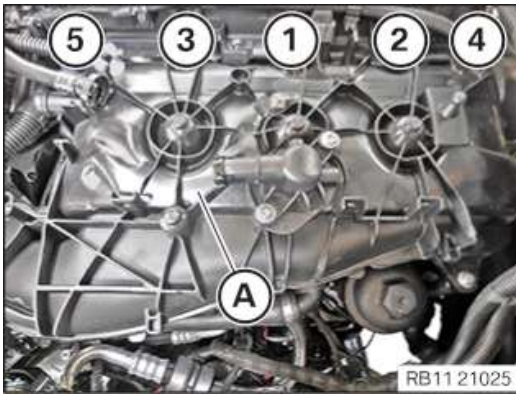


- Renew seals (1).

Parts: Seals



- Clean the contact surface (1).



i TECHNICAL INFORMATION

Additional coolant can leakage. Make sure that no coolant enters the intake port of the cylinder head.

- Feed in and position the intake plenum (A) at the cylinder head.
- Tighten screws in the order (1) to (5).

Note

Tighten the bolts in 360 degree steps.

Tightening torques

Intake plenum to cylinder head

M6	Tightening torque	10Nm



- Connect and lock the coolant feed line (1).
- Make sure that the coolant feed line (1) engages audibly.

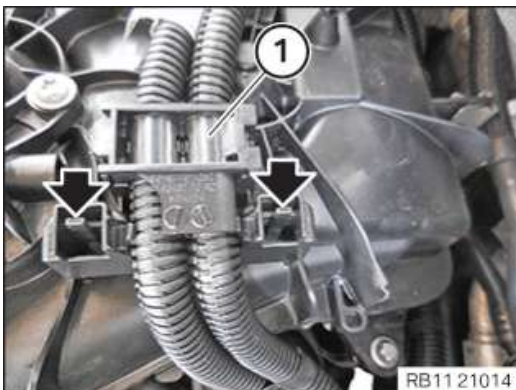


- Tighten down screw (1).

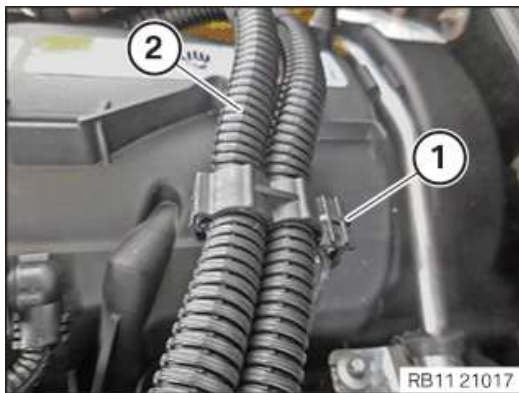
Tightening torques

Intake plenum to support

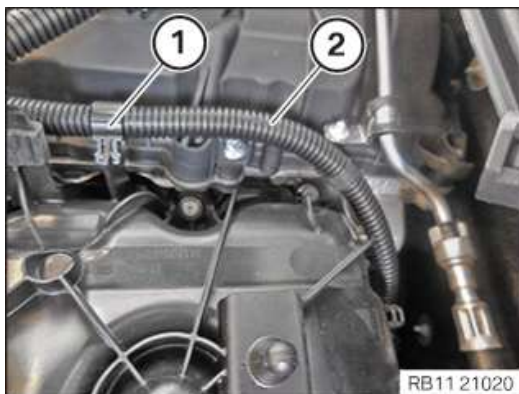
M6X25	Tightening torque	8Nm



- Guide in and Install the wiring harness section (1) for the injectors and ignition coils.
The locks (arrows) must engage audibly.



- Guide in and Install the wiring harness section (2) for the injectors and ignition coils.
- Secure clamps (1).



- Guide in and install the wiring harness section (2) for sensor system 1.
- Secure clamps (1).



- Insert and install the tank vent line (1).
- Secure the tank vent line (1) to the clamp (2).



- Connect connectors (1) and lock.
- Make sure the connector (1) engages audibly.
- Tighten down screw (2).

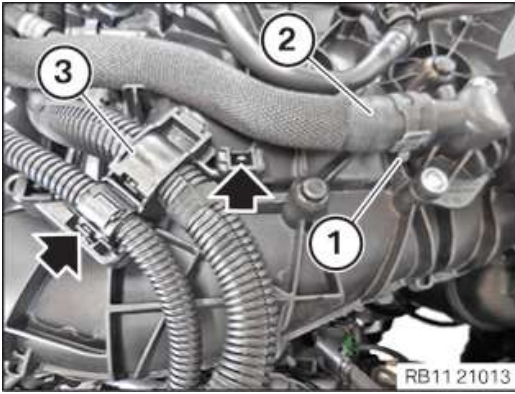
Tightening torques

Throttle body to holder

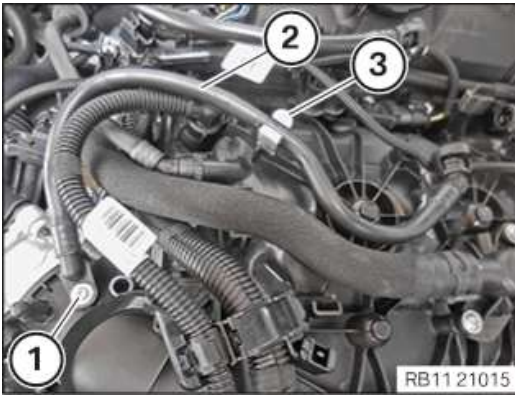
M6X25

Tightening torque

8Nm



- Insert and install the coolant hose (2).
- Fasten the clamping collar (1) with the special tool **0 495 794 (17 2 050)**.
- Feed in and install the wiring harness section (3) for sensor system 2.
- Make sure that you can hear the locks (arrows) engage.

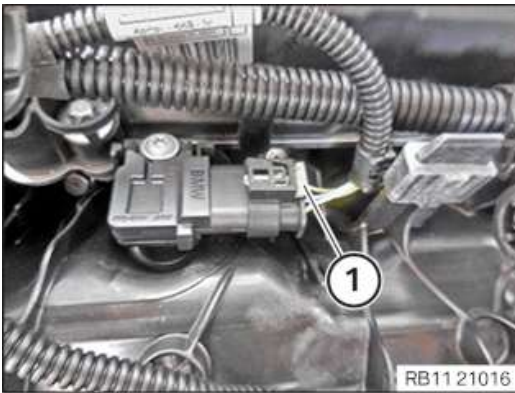


- Insert and install the tank vent line (2).
- Secure the tank vent line (2) to the clamp (3).
- Tighten down screw (1).

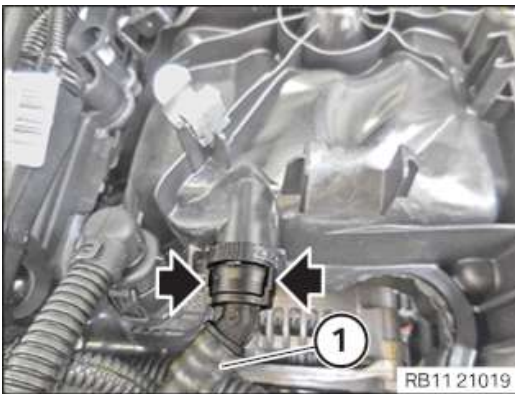
Tightening torques

Tank vent line to intake plenum

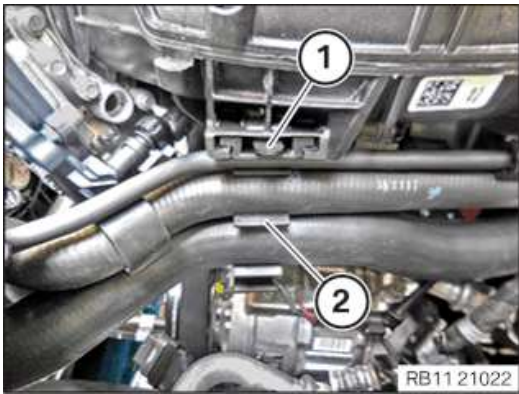
Oval-head screw	Tightening torque	3Nm
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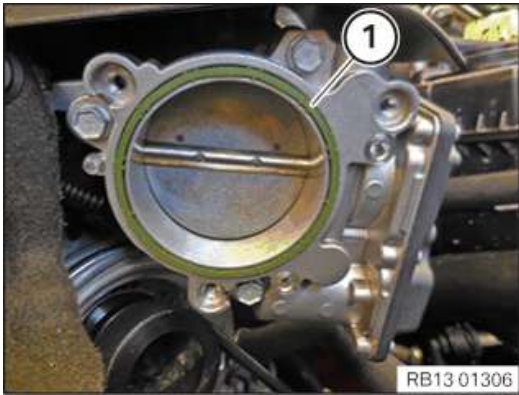
- Connect connectors (1) and lock.
The connector (1) must engage audibly.



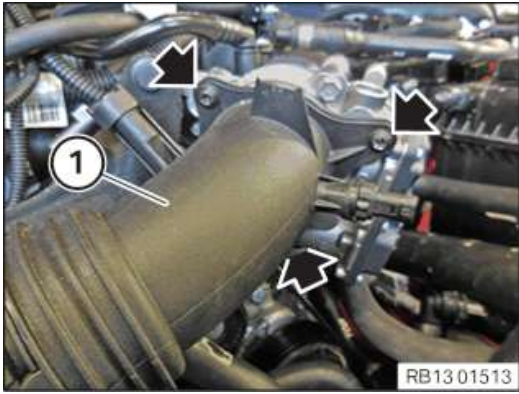
- Insert and install the tank vent line (1).
The locks (arrows) must engage audibly.



- Insert and install the holder (2).
- Ensure that the locking mechanism (1) engages audibly.



- Renew gasket (1).
- Parts:** Gasket

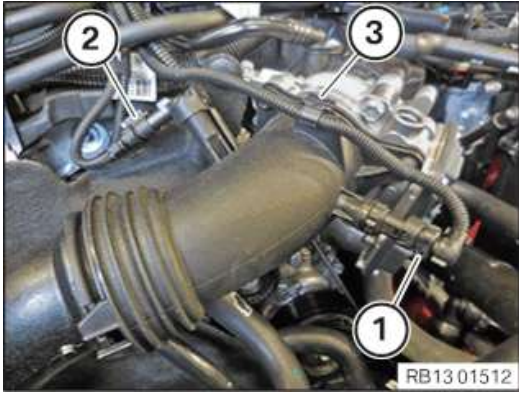


- Insert and install charge air line (1).
- Tighten screws (arrows).

Tightening torques

Charge air line to throttle body

M6	tightening torque	8Nm
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- Connect connectors (1) and lock.
- Connect connectors (2) and lock.
- Make sure you can hear the connectors (1) and (2) engage.
- Secure clamps (3).

Removing And Installing/Replacing Full-Flow Oil Filter Completely

Back To Step 26

Step 27 of 48

Go To Step 28