

2018 BMW X1 sDrive 28i FWD (F48) L4-2.0L Turbo (B460)

Vehicle > Powertrain Management > Ignition System > Spark Plug > Service and Repair > Removal and Replacement

REPLACING IGNITION COILS (B32, B38, B42, B46, B48) [REP-REP-RAF4512B38-1213511 - V.13]

Replacing ignition coils (B32, B38, B42, B46, B48)

REP-REP-RAF4512B38-1213511 - V.13

12 13 511 Replacing ignition coils (B32, B38, B42, B46, B48)



Caution!

Ignition coils must not be fouled by fuel.

The resistance of the silicone material is reduced significantly by contact with fuel, which may cause the ignition coil to fail!

The silicone tube of the spark plug connector is coated with talc to reduce the pulling forces. The silicone tube must NOT be oiled or greased. This would greatly reduce the durability of the silicone material, which can lead to a failure of the ignition coil.

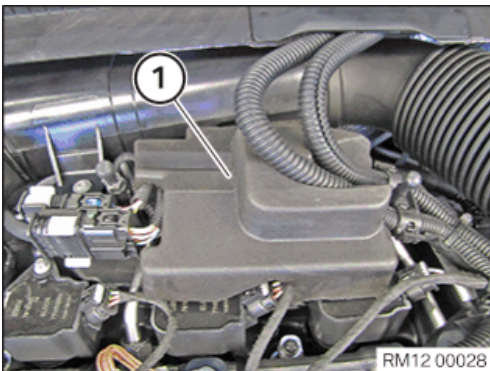


Necessary preliminary work:

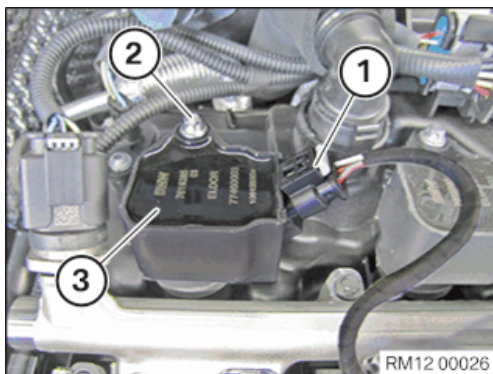
- Remove acoustic cover
- Remove top bulkhead (F45, F46, F52)



Removal:

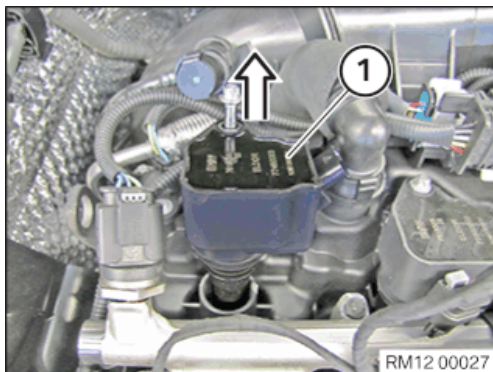


Remove sound insulation from high pressure pump.



Unlock connector (1) and pull off from ignition coil (3).

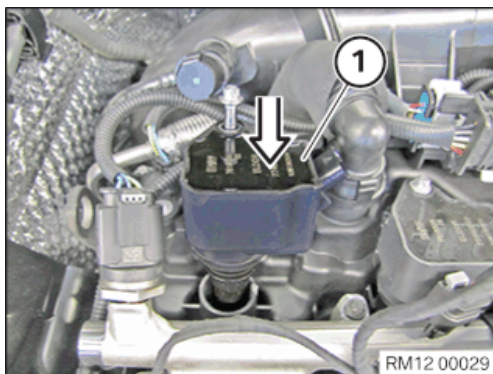
Release screw (2).



Remove ignition coil (1) upwards.

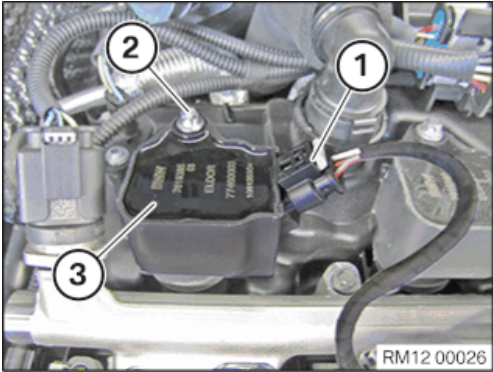


Installation:



Slide on ignition coil (1) back onto spark plug.

Make sure ignition coil is correctly fitted.



Slide on connector (1) back onto ignition coil (3).

Connector (1) must engage audibly.

Tighten screw (2).

Tightening torque:

12 12 1AZ	Type	Thread	Tightening specifications	Dimension
1AZ Ignition coil	B32 / B38/ / B42 / B48/ / B46			8 Nm



Required follow-up work:

- Install acoustic cover
- Install top bulkhead (F45, F46, F52)