

## RECALL 21V-907: EXHAUST GAS RECIRCULATION (EGR) COOLER – N57T LOW TEMPERATURE

### PROCEDURE 1: REPLACE THE EGR COOLER



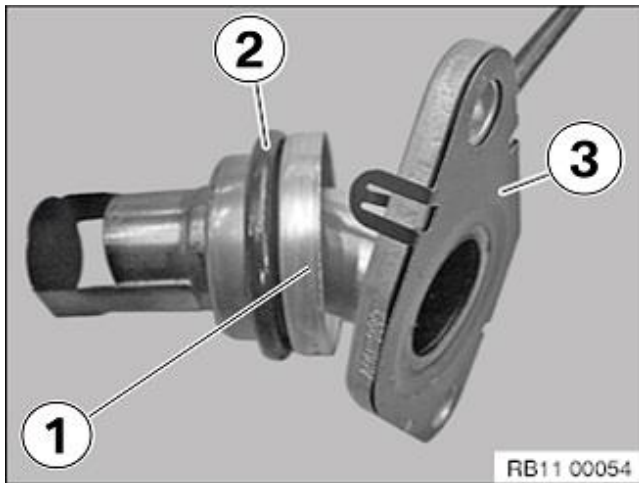
Record or take a photo of the following numbers on the new EGR cooler (1,2 and 3). These numbers will be required later to register the new cooler in ISTA.

1. Production date [YY-MM-DD]
2. Revision index
3. Serial number

**NOTE:** There are additional steps required while following the repair instruction

Replace the EGR cooler and updated coolant hoses following Repair Instruction **11 71 100 Removing and installing/replacing exhaust-gas recirculation cooler (N57 D30 O/T 1)**.

- When the old EGR cooler is removed:



- Remove the EGR pipe from the intake venturi pipe (replace O-ring (2) and gasket (3)).

- Inspect and clean (if needed) the EGR pipe. Wear protective equipment (eyes and hands) and clean out the excessive carbon using a degreasing agent and a brush (suitable brushes can be found in wheel brush kit 83 19 2 298 237).
- Reinstall the EGR pipe with new gasket and O-ring before installing the new EGR cooler.



- Replace the coolant pipe from the Auxiliary EGR cooler to the coolant pump distribution block (1)



- NOTE: The new coolant line PN 11 14 7 827 410 is routed in a different location than the original line (1)

- Install the new EGR cooler following the repair instructions.
- Replace the vacuum hose PN 11 65 8 595 650 (enough hose for two repairs) from the changeover valve to the bypass flap on the cooler (measure the new hose and cut according to the old hose)
- The acoustic cover will be replaced with PN 11 14 8 490 569 (if an acoustic covered was installed)

## PROCEDURE 2: CHECKING THE INTAKE MANIFOLD

Perform a vehicle test using ISTA.

Using the following path, check the intake manifold:

- Vehicle Management/Troubleshooting/Function Structure:
  - Powertrain
    - Digital Diesel Electronics
      - Air Mass System
        - Charging Pressure Control
          - Charge Air Pressure Sensor
            - **ABL Boost Pressure Sensor**

Follow the test steps to perform a functional test of the boost pressure sensor.

**Replace** the intake manifold if the test results in “The measured values were not OK”. Follow Repair Instruction **11 61 550 Removing and installing/renewing the intake plenum (N57 D30 O/T 1)**.

**No further repairs** are required if the test results in “The measured values were OK”.

### **PROCEDURE 3: REGISTERING THE NEW EGR COOLER**

Using the following path in ISTA:

- Vehicle Management/Troubleshooting/Function Structure:
  - Powertrain
    - Digital Diesel Electronics
      - Exhaust gas retreatment
        - Component marking of exhaust-gas recirculation cooler
          - ***ABL Component marking of exhaust-gas recirculation cooler***

Follow the test steps to register the EGR cooler (numbers taken off new cooler)