

**SUBJECT****N52K, N54 and N20 Engine - Noise from Fuel Tank****MODEL**

E89 produced from February 21st 2009 up to September 26th 2013

**SITUATION**

The customer complains of a noise from the underside rear portion of the vehicle. When diagnosed the noise is coming from the fuel tank.

**CAUSE**

A manufacturing defect inside the electric fuel delivery unit (in-tank fuel pump) pressure limiting valve will result in a noise while driving. This defect will not lead to fuel pump failure or loss of power.

**PROCEDURE****Vehicles produced from February 1st 2009 to September 13th 2013**

1. Replace the fuel delivery unit with in-tank pump with P/N 16 14 4 881 972. Refer to Repair Instruction 16 14 015 "Removing and installing/replacing fuel pump with fuel level sensor" for applicable procedures.
2. Connect battery charger.
3. Program the vehicle (including a complete vehicle coding) using ISTA/P 2.51.3 or a more recent version.

**Important: A complete vehicle coding must be added to the measures plan before executing the measure plan.**

**Vehicles produced from September 14th 2013 to September 26th 2013**

1. Connect battery charger.
2. Program the vehicle (including a complete vehicle coding) using ISTA/P 2.51.3 or a more recent version.

**Important: A complete vehicle coding must be added to the measures plan before executing the measure plan. Do not replace the fuel delivery unit with in-tank pump.**

**PARTS INFORMATION****Vehicles produced from February 1st 2009 to September 13th 2009**

Part Number	Description	Quantity
16 14 4 881 972	Fuel delivery unit with in-tank pump	1

**WARRANTY INFORMATION**

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Program.

<b>Defect Code:</b>	<b>16 14 04 39 00</b>
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**Vehicles produced from February 1st 2009 to September 13th 2013**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
16 14 015	Refer to KSD2	Replace Fuel delivery unit with in-tank pump
and		
16 00 610	Refer to KSD2	Extracting fuel from the fuel tank and filling (that fuel back) – 10 liters
and		
00 00 556	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as “Charging battery”)
and		
61 00 710	Refer to KSD2	Programming / encoding control unit(s) (not including CAS)
or		
61 00 720	Refer to KSD2	Programming / encoding control unit(s) (with CAS)

Labor operation code 16 14 015 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 16 14 515 instead.

**Vehicles produced from September 14th 2013 to September 26th 2013**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as “Charging battery”)

and		
61 00 710	Refer to KSD2	Programming / encoding control unit(s) (not including CAS)
or		
61 00 720	Refer to KSD2	Programming / encoding control unit(s) (with CAS)

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the "Search" button, and then enter the applicable flat rate labor operation in the FR code field.

If control module(s) fail to reprogram or initializations are required, the additional work must be claimed using separate labor operations found in KSD2 under the defect code listed above.

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