



This Service Information bulletin supersedes SI B12 21 10 **dated October 2014**.

NEW designates changes to this revision

SUBJECT

N51 Engine: Service Engine Soon Lamp Illuminated - Loss of Power and Various Faults Stored in the DME

MODEL

E82 (1 Series Coupe)

E88 (1 Series Convertible)

E90 (3 Series Sedan)

E92 (3 Series Coupe)

E93 (3 Series Convertible)

All vehicles produced to 6/2011

SITUATION

The customer complains that the Service Engine Soon lamp is illuminated. The vehicle has lost power; the engine cranks but will not start; and various faults are stored in the DME for engine misfire and/or mixture adaptations.

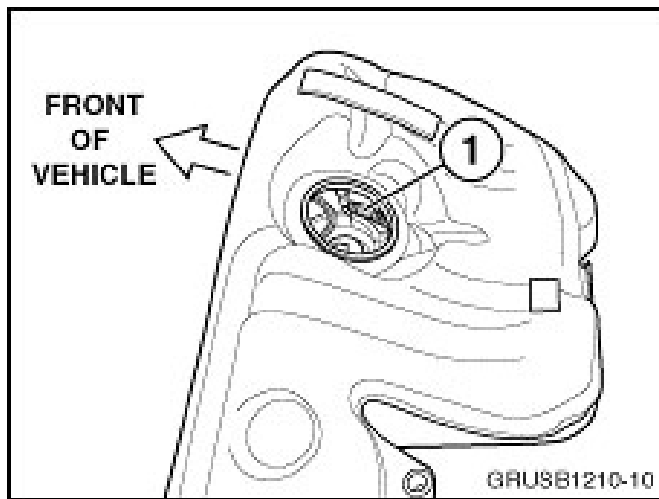
CAUSE

The vehicle has lost fuel system delivery pressure due to a loose or split fuel line inside the fuel tank. The failure is related to an unfavorable stacking of tolerances between the rubber fuel hose and the plastic regulator nipple or deterioration of the rubber hose construction material.

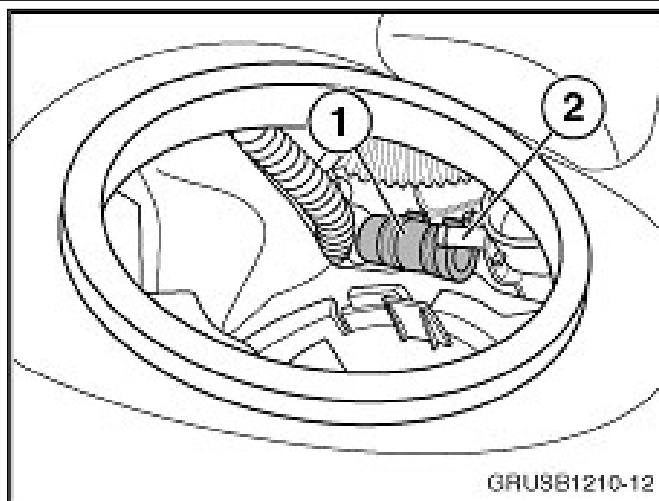
PROCEDURE

1. Check the fuel pressure as per Repair Instruction REP 13 31 029 Checking the fuel pump delivery pressure.

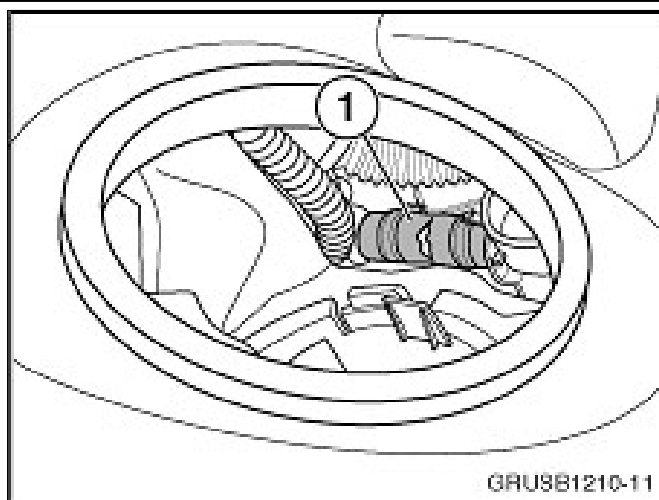
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| | <ol style="list-style-type: none"> 2. If no fuel pressure is present then remove the right side fuel tank access cover to inspect the fuel hose (1) for disconnection or damage. Refer to Repair Instruction REP 16 14 010 Removing and installing the fuel pump. |
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**IMPORTANT:**

For the clarity of the picture, this is a photo of a fuel tank removed from the vehicle. Do not remove the fuel tank for the hose inspection.



3. Inspect the fuel hose connection (1) on the pressure regulator (2). If the fuel hose is found to be disconnected from the fuel pressure regulator, replace the fuel tank. Do not attempt to replace or re-secure the fuel hose inside the fuel tank.



4. Inspect the fuel hose (1) for splitting. It might be necessary to inspect the entire circumference of the fuel hose with a small mirror. If the fuel hose (1) is found to be split, replace the fuel tank. Do not attempt to replace or re-secure the fuel hose inside the fuel tank.

5. If neither of these conditions is found, continue diagnosis using the available ISTA/D test plans for the faults stored in the DME before submitting a DMTL System TC case.

Note: TeileClearing authorization is not required for the fuel tank replacement procedure described in this bulletin. Please write in the comment section of the warranty claim: "Replaced per [SI B12 21 10](#)".

NEW PARTS INFORMATION

Part Number	Description	Quantity
16 11 7 162 162	Fuel tank (E90, E92 and E93)	1
16 11 7 190 559	Fuel tank (E82 and e88)	1
16 11 7 194 201	Repair kit for flange cover seal and clamp	1
16 11 7 194 202	Repair kit fuel tank, filler neck seal, retainer and clamp	1

WARRANTY INFORMATION

NEW Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

This repair is also covered by the terms of the State-specific Emissions Warranty (vehicle model year, state of registration and component list-dependent) that applies to the BMW models listed.

The BMW Certified Pre-Owned Limited Warranty applies to BMW vehicles that have and are still within the BMW Certified Pre-Owned coverage period, but beyond Emissions Warranty coverage that applies.

Defect Code:	16 11 00 48 00	
Labor Operation:	Labor Allowance:	Description:
NEW 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, as needed		
13 31 529	Refer to KSD2	Checking delivery pressure of the fuel pump
And:		

16 99 000	2 FRU	Work time to inspect the fuel hose connection (with replacing the tank)
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And for:

E82, E88 and E93

Labor Operation:	Labor Allowance:	Description:
16 11 535	Refer to KSD2	Replacing the fuel tank
And:		
NEW 16 00 610 to 16 00 680	Refer to KSD2	Extracting fuel from the fuel tank and filling (Select the applicable Plus work labor operation (16 00 610 to 16 00 680) that applies to the amount of fuel extracted – 10 liter increments)

Or for:

E90 and E92

Labor Operation:	Labor Allowance:	Description:
16 11 535	Refer to KSD2	Replacing the fuel tank (Includes extracting fuel from the fuel tank and filling)

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

NEW Refer to KSD2 for the corresponding flat rate unit (FRU) allowance.

NEW Work time labor operation code 16 99 000 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

Other Repairs

If performing ISTA diagnostics and related test plans results in other eligible and covered work, claim this work with the applicable defect code and/or labor operations listed in KSD2.

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