



Load Graphics

## SUBJECT

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

## MODEL

E90, E92 and E93 (3 Series) with N51 engine from start of production

## SITUATION

The customer complains that the service engine soon lamp is illuminated. The vehicle has lost power, engine cranks but will not start and various faults are stored in the DME for engine misfire.

## 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.

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.

[GRUSB1210-10.JPG]

### 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.

[GRUSB1210-12.JPG]

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.

[GRUSB1210-11.JPG]

5. If neither of these conditions is found, continue diagnosis using the available ISID 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".

#### PARTS INFORMATION

Part Number	Description	Quantity
16 11 7 162 162	Fuel tank	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

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty, any applicable Federal, State or BMW Emissions Warranty or the Certified Pre-Owned Limited Warranty (only applies to CPO vehicles that are still within the CPO coverage period but beyond any Emissions Warranty).

**Defect Code:** 16 11 00 48 00

Labor Operation:	Labor Allowance:	Description:
00 00 006*	Refer to KSD2	Performing vehicle test
13 31 529*	Refer to KSD2	Checking delivery pressure of the fuel pump
16 14 610	Refer to KSD2	Removing and installing fuel pump
or		
16 11 535	Refer to KSD2	Replacing the fuel tank

\*Main Work - use this labor operation number when this is the only repair being performed, or if this is the main repair when performed along with other repairs at the same time. If this is not the main repair, refer to KSD for the associated (+) labor operation code.