



This Service Information bulletin supersedes SI B16 07 12 **dated August 2012.**

PERFORM THE PROCEDURE OUTLINED IN THIS SERVICE INFORMATION ON ALL AFFECTED VEHICLES BEFORE CUSTOMER DELIVERY OR THE NEXT TIME THEY ARE IN THE SHOP FOR MAINTENANCE OR REPAIRS.

NEW designates changes to this revision

SUBJECT

Service Action: Replace the Left and Right Fuel Level Sensor

MODEL

E70 with N52K, N62TU and S63 engines

E71 with N54, N63 and S63 engines

SITUATION

After refueling, the fuel gauge will display an incorrect fuel level. When this occurs, the fuel gauge shows the fuel level as 3/4 full.

CAUSE

Due to a high proportion of ethanol in the fuel, the internal mechanisms of the fuel level sensors may swell. This may inhibit the movement of one or both of the fuel level sensors.

NEW AFFECTED VEHICLES

This Service Action involves E70 and E71 vehicles which were produced from October 1, 2007 to October 1, 2009.

In order to determine whether a specific vehicle has had this Service Action or Recall Campaign completed or is affected by this Service Action, first check the B-pillar label for code number **633**. If code number **633** has been punched out, the campaign has already been performed. If code number **633** has not been punched out, it will be necessary to utilize the "Service Menu" of DCSnet (Dealer Communication System) or the Key Reader. Based on the response of the system, either proceed with the corrective action or take no further action

NEW CAUSE

Due to a high proportion of ethanol in the fuel, the internal mechanisms of the fuel level sensors may swell. This may inhibit the movement of one or both of the fuel level sensors.

NEW PROCEDURE

Replace the left and right fuel level sensors as per Repair Instructions 16 12 000 and 16 12 001.

IMPORTANT: Fuel lines may be under pressure!

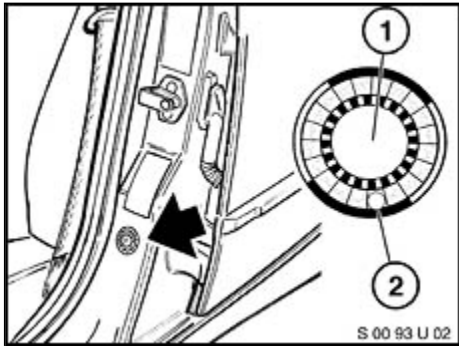
Use extreme caution when decoupling fuel lines. Use a suitable container to catch the fuel. Wrap or cover the fuel line connection and component with a shop towel before decoupling to avoid

escaping fuel from contaminating surrounding materials i.e., carpet and headliner.

PARTS INFORMATION

Part Number	Description	Quantity
16 11 7 212 632	Left fuel level sensor	1
16 11 7 212 633	Right fuel level sensor	1

LABEL INSTRUCTIONS



This Service Action has been assigned code number **633**. After the vehicle has been checked and/or corrected, obtain a label (SD 92-417) and:

- Emboss your BMW center warranty number in the middle of the label (1);
- Punch out code number **633** (2), printed on the label; and
- Affix the label to the B-pillar as shown.

If the vehicle already has a label from a previous Service Action, affix the new label next to the old one. Do not affix one label on top of another one because a number from an underlying label could appear in the punched-out hole of the new label.

WARRANTY INFORMATION

The repair described in this bulletin is covered under warranty regardless of time or mileage.

Reimbursement for this Service Action will be via normal claim entry utilizing the following information.

Vehicles **without** third row seat only:

Defect Code:	00 16 75 01 00	
Labor Operation:	Labor Allowance:	Description:
00 60 808	Refer to KSD2	Replace the left and right fuel level sensors (includes extracting fuel from fuel tank and putting it back, up to 20 liters)

E70 Vehicles **with** third row seat only (Option Code 04UB):

Defect Code:	00 16 75 01 00	
Labor Operation:	Labor Allowance:	Description:
00 60 809	Refer to KSD2	Replace the left and right fuel level sensors (vehicles with a 3rd row seat) (includes extracting fuel from fuel tank and putting it back, up to 20 liters)

Labor operation codes 00 60 808 and 00 60 809 are both Plus labor operations.

Completely draining and refilling the fuel tank for this repair is not necessary.

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