



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.

SUBJECT

Service Action: Replace Fuel Tank Pressure Sensor

MODEL

I01 (i3 REx)

SITUATION

The internal sealing of the fuel tank pressure/temperature sensor may fail. As a result, the sensor may read an incorrect value and set a fault code for the fuel tank evaporation system. This may lead to the Check Engine Light (CEL) being illuminated.

AFFECTED VEHICLES

This Service Action involves certain I01, i3 REx vehicles in which the fuel tank pressure sensor will need to be replaced.

First check if a Service Action label with a code number **699** is already attached to the A-pillar.

If a code number **699** has been punched out, the Campaign has already been performed and no further action is necessary.

Vehicles which require this Service Action to be completed will show it as "Open" when checked either in the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

PROCEDURE

Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in severe injury or damage to the vehicle. Additional information may be found in REP 61 00... Observe safety instructions when handling electric vehicles.

1. Remove the fuel tank per Repair Instruction REP 16 11 030, "Removing and installing/replacing fuel tank (I01 US version range extender)."
2. Remove the carbon canister from the top of the fuel tank per Repair Instruction REP 16 12 010, "Removing and installing/replacing carbon canister (I01 range extender)."
3. Remove the fuel sending unit per Repair Instruction REP 16 14 090, "Removing and installing/replacing delivery unit (I01 range extender)" to access the fuel tank pressure sensor.

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| | <ol style="list-style-type: none"> 4. Remove the pressure sensor by pressing the tabs (1) at the base of the sensor together and pushing up in the direction of the arrow. This will separate the pressure sensor from the |
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retaining bracket.



5. Install a new pressure sensor from the Pressure Sensor Repair Kit (P/N 16 14 7 426 661) in the reverse order of the pressure sensor removal. Also install the new O-ring and the support ring which are found in the repair kit.
6. Reinstall the fuel sending unit per Repair Instruction REP 16 14 090, "Removing and installing/replacing fuel tank (I01 US version range extender)."
7. Reinstall the carbon canister on the fuel tank per Repair Instruction REP 16 12 010, "Removing and installing/replacing carbon canister (I01 range extender)."
8. Reinstall the fuel tank per Repair Instruction REP 16 11 030, "Removing and installing/replacing fuel tank (I01 range extender)."
9. Perform the pressure sensor calibration via ISTA/D Service Function "Fuel tank pressure sensor adjustment." The path to this Service Function is Activities / Service Function / 01 Engine / Pressurized fuel tank control module.

LABEL INSTRUCTIONS



This Service Action has been assigned code number **699**. After the vehicle has been checked and/or corrected, obtain a label (SD 92-439) and:

- A. Emboss your BMW center warranty number in the middle of the label (1);
- B. Punch out code number **699** (2), printed on the label; and
- C. Affix the label to the B-pillar as shown.

If the vehicle already has a label from a previous Campaign, 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.

PARTS INFORMATION

Part Number	Description	Quantity
16 14 7 426 661	Pressure-temperature sensor repair kit	1

WARRANTY INFORMATION

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

Defect Code:	00 16 84 01 00	
Labor Operation:	Labor Allowance:	Description:
00 62 741	24 FRU	Install the tank pressure sensor repair kit

Labor operation code 00 62 741 is a Plus labor operation.

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