



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.

Under the National Traffic and Motor Vehicle Safety Act of 1966, as amended, if there has been a recall campaign, dealers must assure that all new vehicles and new items of replacement equipment are free of safety defects and comply with all applicable Federal Motor Vehicle Safety Standards at the time of delivery to the consumer. This means that dealers may not deliver new motor vehicles or new items of replacement equipment to consumers unless the safety defect or noncompliance has been remedied before delivery.

SUBJECT

Recall Campaign 04V-182: Fuel Pump Resistor Retrofit

MODEL

All E85 Z4 vehicles produced from February 2003 through October 2003.

SITUATION

When driving at higher altitudes (5,000+ feet) and in temperatures exceeding 80 degrees F, certain Z4 vehicles may experience loss of performance or stalling. Should stalling occur, it could take between 15 to 20 minutes before the vehicle would be capable of a restart.

Cars affected by this recall campaign should be returned to the customer, cleaned inside and out and with a full tank of gas. Reimbursement information for the vehicle fueling costs can be found in the Warranty Information section of this bulletin.

CAUSE

Pockets of fuel vapor may be created within the fuel pump causing a vapor lock condition. The cause is the higher rotational speed of the fuel pumps within the listed production dates.

AFFECTED VEHICLES

This Recall involves all Z4 vehicles with the 2.5 and 3.0 liter engines which were produced from February through October 2003.

In order to determine if a specific vehicle is affected by this Recall, it will be necessary to utilize the "Service Menu" of the DCS (Dealer Communication System). Based on the response of the system, either proceed with the corrective action or take no further action.

The Chassis Number Ranges listed below are only for informational purposes and are not to be considered as the only deciding factor.

Model	Chassis Number Range
E85 Z4 2.5i	LR60741 – LR67042
E85 Z4 2.5iA	LS40820 – LT25051

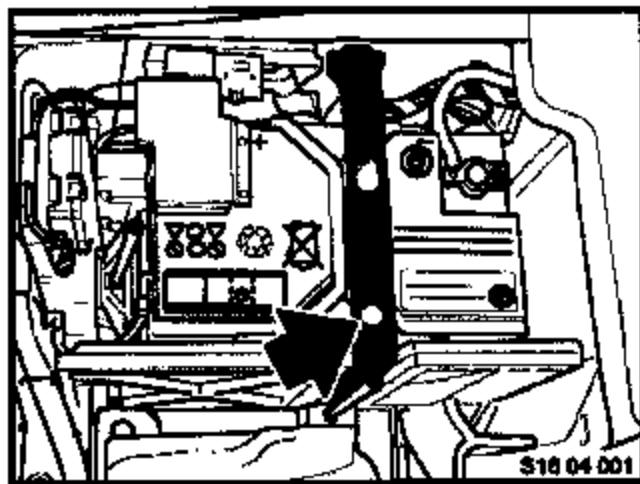
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 DEPARTMENT OF TRANSPORTATION

B85 Z4 3.0iA

LU00249 – LU06358

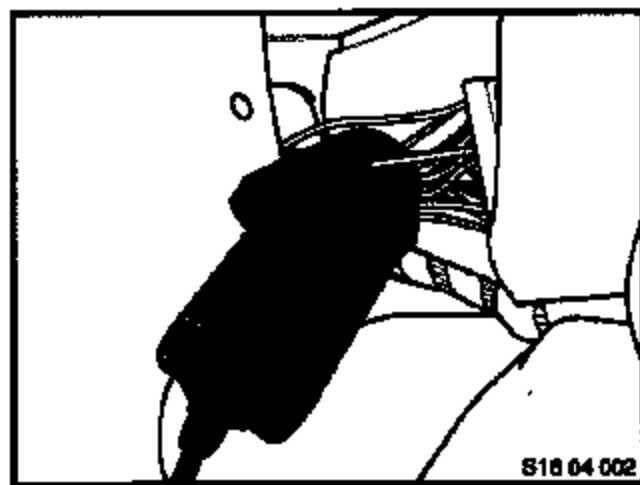
CORRECTION

Install a resistor in the ground side of the fuel pump circuit to limit pump speed.

PROCEDURE

Remove luggage compartment floor to expose the battery. If there is a white sticker on the battery holder (see illustration), no further action is necessary. If there is no sticker, proceed with resistor installation.

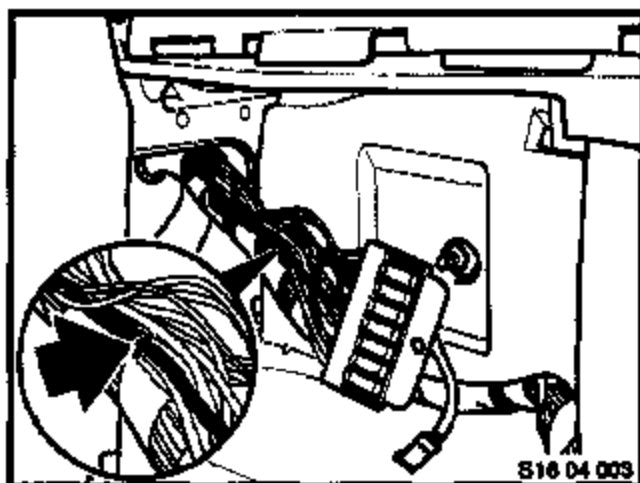
Remove the right side luggage compartment trim. Removal information can be found in Repair Instruction 51 47 161. Locate the comb connector fastened on a stud at the front right side of the luggage compartment.



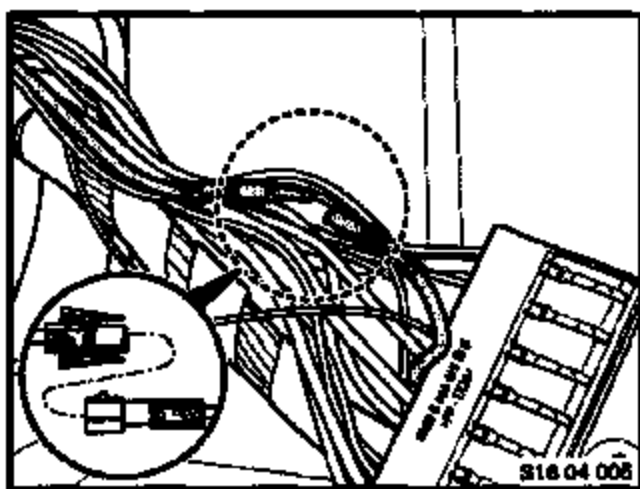
Using the 50A current probe attached to the DISplus tester, clip the probe to one of the brown ground wires located near the center of the connector. Turn on the ignition. A 5-8 amp current flow should be observed for a few seconds. If so, the ground side of the fuel pump circuit has been located. If not, switch the probe to another nearby brown wire and retry. Switch off the ignition and wait approximately 10 seconds between attempts.

Disconnect the battery and unbolt the comb connector from the body.

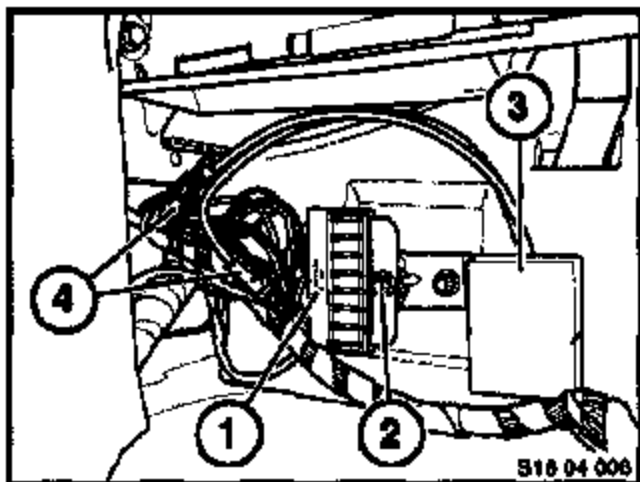
Cut the fuel pump ground wire about 5cm from the comb connector. Strip both



ends 5mm.



Crimp the pin contact to the vehicle side of the wire and the socket contact on the wire to the comb connector. Lock these connectors within their respective insulator.

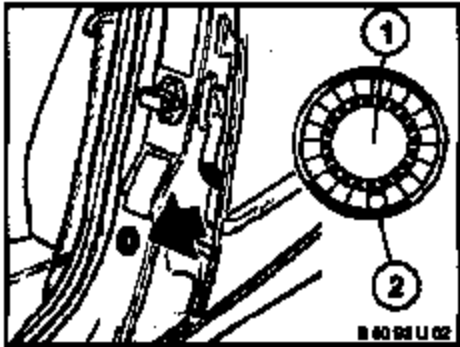


Place the resistor (3) on the comb connector mounting stud first, followed by the comb connector (1). Reinstall the nut and tighten (2). Connect the resistor leads to the lead from the comb connector and the one to the vehicle harness. Secure the cables with a tie wrap. Reconnect the battery and start the engine. If everything checks out, reassemble the luggage compartment.

PARTS INFORMATION

Part Number	Description	Quantity
16 11 4 030 026	Resistor kit	1

LABEL INSTRUCTIONS



This Recall Campaign has been assigned code number 396. After the vehicle has been checked, and corrected if necessary, obtain a label (SD 92-245) and:

- a. emboss your BMW dealer warranty number in the middle of the label (1);
- b. punch out code number 396 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 Service Action/Recall 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.

WARRANTY INFORMATION

Reimbursement for this Recall Campaign will be via Campaign Entry

Defect Code	00 16 35 01 00	
Work Package #1:	Check for battery sticker	
Labor Operation:	00 54 295	
Labor Allowance:	5 FRUs	
Work Package #2:	Check for the sticker and install the resistor	
Labor Operation:	00 54 296	
Labor Allowance:	8 FRUs	
Parts Allowance:	16 11 4 030 026	Qty Resistor kit 1

REFUELING COST

BMW of North America, LLC will provide reimbursement to have the gas tank topped off once as required, for each vehicle affected by this recall campaign. Attach the appropriate receipt to the work order.

Defect Code	85 99 00 66 NA
Labor Operation:	Refuel vehicle
Sublet:	Actual cost to top off fuel tank
Sublet Code:	4

ATTACHMENTS

view PDF attachment [B160204CustomerLetter](#).

view PDF attachment [B160204Q&A.](#)
view PDF attachment [B160204TreadAct.](#)

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DRAFT

April, 2004

Recall Campaign No. 04V-182: Engine Stalling

Dear BMW Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

BMW AG has decided that a defect which relates to motor vehicle safety exists in certain 2003 and 2004 Model Year BMW Z4 vehicles. Our records indicate that you are the owner of a potentially affected vehicle.

DESCRIPTION OF DEFECT

The defect involves the electric fuel pump of your vehicle. Under certain environmental conditions, for example, driving during high outside temperatures in combination with high altitudes, it is possible that the engine could stall due to a condition known as "vapor lock". If this were to occur, the engine would not be able to be restarted for approximately 15 to 20 minutes.

If stalling were to occur, you would be unable to maintain vehicle speed or accelerate. Depending on traffic conditions and the driver's reactions, this could lead to a crash.

PRECAUTIONS

1. CONTACT YOUR AUTHORIZED BMW CENTER IMMEDIATELY TO HAVE THE NECESSARY REPAIR PERFORMED AS SOON AS POSSIBLE.
2. If you experience engine stalling while driving, pull over carefully as soon as possible to a safe location and away from traffic. Do not continue to drive your vehicle. Contact BMW Roadside Assistance at 1-800-332-4289 immediately to have your vehicle brought to the nearest Authorized BMW center.
3. If you are not the only driver of this vehicle, please advise all other drivers of this important information.

DESCRIPTION OF REPAIR

The repair will consist of installing a resistor in the electrical line powering the fuel pump in order to prevent an occurrence of vapor lock.

The repair will require approximately ½ hour. This work will be performed *free of charge* by your Authorized BMW center. Additional time may be required depending on the BMW center's scheduling and processing.

OTHER INFORMATION

If you are no longer the owner of this vehicle, we would appreciate your furnishing us with the name and address of the new owner, using the enclosed postage-paid card.

If you are a lessor of this vehicle, Federal Regulations require you to forward this notice to your lessee.

If you have already had this repair performed at your own expense, please see the attachment regarding possible eligibility for reimbursement.

Should you have any questions about this campaign, please contact your Authorized BMW center.

We appreciate your confidence in our product, and we wish to do everything we can to retain your confidence. Should you need additional assistance, you may contact BMW Customer Relations at 1-800-831-1117.

If the BMW center is unable to remedy the defect without charge or within a reasonable period of time, you may notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh St., S.W., Washington, DC 20590, or call the toll-free Auto Safety Hotline at 1-888-327-4236.

BMW OF NORTH AMERICA, LLC

**TREAD ACT CUSTOMER REIMBURSEMENT PLAN
(BMW of North America, LLC)**

If you have paid for the repair described in the attached letter, and you would like to be considered for reimbursement, please contact your authorized BMW center. Expenses from repair facilities outside of the BMW center network will be considered; however, the procedure must meet BMW standards and use BMW Genuine Parts.

Your authorized BMW center will request a copy of your owner notification letter, as well as, a copy of your previously paid invoice, and then inspect the vehicle (if it is still in your possession) prior to submitting a claim on your behalf to BMW of North America, LLC for reimbursement.

Please note the following:

- Only a repair that is the subject of this safety recall is reimbursable. Consequential expenses such as towing, rental, accommodations, damage repairs, etc will not be reimbursed.
- When BMW Genuine Parts are used, the Manufacturers Suggested Retail Price (MSRP) will be considered as the guideline for reasonable charges.
- Expenses for repairs performed more than 10 days after the date of the last owner notification letter sent by BMW are not eligible for reimbursement.
- Taxes and hazardous waste disposal, where previously paid, are eligible for reimbursement.
- BMW will not reimburse for prior repairs that did not utilize BMW Genuine Parts.

We anticipate that your authorized BMW center will be able to answer any questions that you may have regarding your qualifications for reimbursement of a previous repair. If you qualify for such a reimbursement, they will also be able to advise you of the manner in which you could receive reimbursement.

We recommend that your authorized BMW center be your primary contact on this issue; however, our Customer Relations Department may be contacted at 1-800-831-1117 for any special assistance that you may require.

Alternatively, you may submit your request for reimbursement to the following address:

Customer Relations Department
BMW of North America, LLC
P.O. Box 1227
Westwood, NJ 07675-1227