



SI B12 07 03  
Engine Electrical

September 2003  
Service Engineering

This Service Information bulletin supersedes S.I. 12 07 03 dated July 2003

**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.

■ designates changes to this revision

#### SUBJECT

Recall 03V-240: E65/66 with N62 DME Reprogramming

#### MODEL

E65/66 with N62 engine produced up to 04/04/2003

#### SITUATION

BMW AG has decided that a defect, which relates to motor vehicle safety exist in certain '02 and '03 MY E65/66 vehicles equipped with N62 engine. The defect involves programming of the digital engine management control unit.

Due to a DME software error, desynchronization of Valvetronic motors for engine bank I and bank II may occur, which leads to: engine rough running, "Check Engine" light illumination, misfire faults, and finally engine stalling.

In order to remedy this situation, BMW is conducting a Safety Recall to check and reprogram if needed, the engine management control unit (DME).

Copies of customer notification letter and a Q & A form are attached.

To minimize customer's inconvenience caused by this recall, pick-up (and deliver after repair) the affected vehicle from customer's home, or provide appropriate alternative transportation.

Customers will be impressed when you return their cars cleaned inside and out and with a full tank of gas. Reimbursement information for the vehicle fueling and valet costs can be found in the Warranty portion of this bulletin.

#### AFFECTED VEHICLES

This Recall Campaign involves 745i and 745Li vehicles with N62 engines, which were either:

produced from 1/21/03 up to 04/04/2003

or

any vehicle, regardless of when it was produced, that was reprogrammed with CIP 7.0 or CIP 7.1.

**NOTE:** Vehicles meeting these criteria, which have already been reprogrammed with CIP 7.22, are not affected.

In order to determine if a specific vehicle is affected by this Recall Campaign, 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.

<b>Model</b>	<b>Chassis Number Range</b>
745i	DP50074 - DP65892
745Li	DR00047 - DR17785

#### **CORRECTION**

On the affected vehicles, check DME programming number ("Assembly Number") using DISPlus/GT1 diagnostic function.

If the "DME Assembly Number" is: **4477372, 7529332, or 7529787**, reprogram complete vehicle using **CIP 7.22, or higher**.

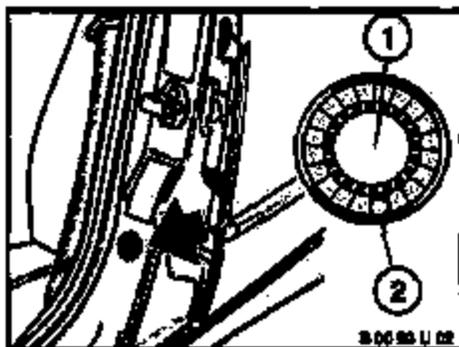
If the "DME Assembly Number" is: **7533361 or 7533379**, **NO further action is required**. DME control module has already been reprogrammed with the correct software.

#### **PROCEDURE**

To check the DME "Assembly Number":

1. Connect vehicle to DISPlus/GT1 loaded with CD 33.2 and CIP 7.22, or higher.
2. From the main diagnostic menu screen, select **E65/66**
3. After automatic identification has been performed, select "**DME Digital Motor Electronics ME9**" from the list of control modules.
4. "**Should individual short test be conducted for DME ME9**" is displayed. Select **OK**
5. Select "**Control module functions**" from the bottom of the screen
6. Select "**DME ME9**"
7. Select "**Identification long**"
8. Scroll down on the lower window of the screen. Read out the "**Assembly number**" of DME.
9. To reprogram complete vehicle follow instructions from SI B09 05 01, using **CIP V7.22 or higher**.

After software updating is completed, recode complete vehicle according to procedure from SI B09 05 01 label Instructions



This Recall Campaign has been assigned code number 366. After the vehicle has been checked, and corrected if necessary, obtain a label (SD92-215) and:

- a. emboss your BMW dealer warranty number in the middle of the label (1);
- b. punch out code number 366 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 Service Action will be via Campaign Entry.

**Defect Code**            **00 12 74 01 00**

**Work Package #1:**    **Check DME Assembly Number – reprogramming not required**

**Labor Operation:**    **00 54 729**

**Labor Allowance:**    **3 FRU**

**Work Package #2:**    **Check DME Assembly Number and reprogram complete vehicle with CIP 7.22, or higher (stand-alone repair)**

**Labor Operation:**    **00 54 148**

**Labor Allowance:**    **15 FRU**

**Work Package #3:**    **Check DME Assembly Number and reprogram complete vehicle with CIP 7.22, or higher, including programming Navigation system (stand-alone repair)**

**Labor Operation:**    **00 54 149**

**Labor Allowance:**    **18 FRU**

**Work Package #4:**    **Check DME Assembly Number and reprogram complete vehicle with CIP 7.22, or higher, including programming CAS/ZAS (stand-alone repair)**

Labor Operation: 00 54 150

Labor Allowance: 18 FRU

**Work Package #5:** Check DME Assembly Number and reprogram complete vehicle with CIP 7.22, or higher, including programming CAS/ZAS and Navigation system (stand-alone repair)

Labor Operation: 00 54 151

Labor Allowance: 20 FRU

**Note 1: Should the vehicle be affected at the same time by another repair in which programming of control units is also required, programming may be claimed only once.**

**Note 2:** In the case where CIP requires the replacement of control modules, or additional programming because certain control modules failed to program correctly, print out the Measures Plan and Status Report/Final Report as described in the CIP programming procedure (B09 05 01), and attach these reports to the RO in the vehicle file. The Defect Code, Labor Operation, and Labor Allowance for this additional work should be selected from the KSD.

#### RE-FUELING 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.

<b>Defect Code</b>	<b>85 99 00 66 NA</b>	<b>Refuel 745i/745Li affected by reprogramming DME Recall Campaign</b>
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Sublet: Actual cost to top off the fuel tank

Sublet code: 4

#### VALET COST

BMW of North America, LLC, will provide reimbursement for vehicle valet services (pick up & delivery) for each vehicle affected by this Recall Campaign. Attach the appropriate receipt to the work order.

<b>Defect Code</b>	<b>99 99 77 77 NA</b>	<b>Valet Service for 745i/745Li vehicles affected by reprogramming DME Recall Campaign</b>
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Sublet: \$25.00

Sublet code: 4

**RENTAL VEHICLES**

Retailers participating in the Retailer Administered Customer Assistance Program and the BMW Service Loaner Car Program may self-authorize claims for reimbursement of rental costs from independent rental agencies in certain situations. For more details refer to SI B01 06 97.

**ATTACHMENTS**

view PDF attachment [B120703Letter](#).

view PDF attachment [B120703Q&A](#).

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July 2003

**Recall Campaign No. 03V-240: DME Software Update**

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 2002 and 2003 Model Year BMW 7 Series vehicles. Our records indicate that you are the owner of a potentially affected vehicle.

The defect involves the electronic programming of the digital engine management control unit. This can result in a rough-running engine. If this happens, the check engine light will illuminate, and the message "engine malfunction, drive with moderation" will appear in the vehicle's instrument cluster message display area. In certain extreme cases, the engine could stall. In those cases, the driver may not be able to restart the engine.

**Depending on the level of engine roughness, or stalling, as well as, traffic conditions and the driver's reactions, this could lead to a crash.**

- 1. CONTACT YOUR AUTHORIZED BMW CENTER IMMEDIATELY TO HAVE THE NECESSARY REPAIR PERFORMED AS SOON AS POSSIBLE.**
- 2. If you experience either a rough-running engine, an illumination of the check engine light, or a display of "engine malfunction, drive with moderation" in the vehicle's instrument cluster message area, then you should pull over carefully as soon as possible to a safe location and away from traffic. Do not continue to drive the vehicle. Contact BMW roadside assistance at 1-800-332-4269 immediately to have the vehicle brought to the nearest authorized BMW center.**
- 3. BMW recommends that you always wear your safety belt, and that all passengers are properly seated and restrained at all times.**
- 4. If you are not the only driver of this vehicle, please advise all other drivers of this important information.**

The repair will consist of reprogramming the digital engine management control unit.

The complete repair process will take approximately five hours. 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 you 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