How to Perform EDC Delete on BMW FXX

(Disabling the Electronic Damper Control)

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Disclaimer

This guide is for informational purposes only. The author takes no responsibility for any damage, loss, or issues arising from following the procedure described here. Proceed at your own risk and ensure you have the proper technical knowledge and equipment.

Introduction

EDC (Electronic Damper Control) system from a BMW FXX and the coding process necessary to ensure your vehicle operates without error. This involves removing the **VDC (Vertical Dynamics Control) unit** and using **E-Sys** to code out the **2VF** option, which corresponds to the **Adaptive M Suspension.**

Requirements and Tools

- OBD ENET Cable: To connect your vehicle to your laptop for coding.
- E-Sys Software: For coding and removing the 2VF option from your vehicle's FA.
- ISTA+ Software: For clearing any errors after coding.
- Flathead screwdriver: For removing trim panels.
- Battery charger/backup: Ensure your car's battery is stable during the coding process.
- Laptop: With E-Sys and ISTA+ installed for coding and clearing errors.

Step-by-Step Procedure

Step 1: Remove the VDC Unit (EDC Physical Removal)

The first step is to physically remove the **VDC unit**, which controls the **EDC system.**

1. Remove the trunk trim behind the passenger side taillight area:
- Use a flathead screwdriver to remove the three clips holding the trim in place.
- Carefully pull off the trim to expose the storage cubby and VDC unit.

2. Remove the storage cubby to access the VDC unit.

3. Locate the VDC unit:
- Pull the tab before unplugging the connector. The connector should come off without resistance. If it doesn't, ensure the tab is fully pulled.

4. Tuck the connector and wires behind the module. There should be enough space for the connector to sit tightly without moving around or rattling.

37 14 566   **Remove and install**

Special tools required:
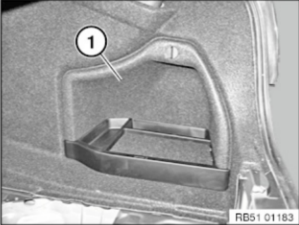- 64 1 020

Important!
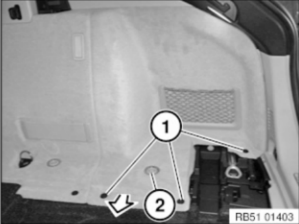Read and comply with notes on protection against electrostatic discharge (ESD protection)!

Necessary preliminary tasks:
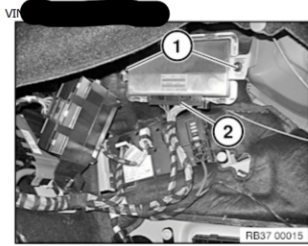- Remove luggage compartment floor trim panels (F31 only)

F30/F32/F33/ F35:
Remove flap (1) on rear right in luggage compartment trim panel.

RB51 01183

F31:
Lift out expanding rivets (1) and trim (2) for adaptive securing system with special tool 64 1 020.
Remove luggage compartment trim panel in direction of arrow.

RB51 01403

Unscrew nuts (1).
Unlock connector (2) and remove.
Remove control unit.

RB37 00015

After installation:
- Carry out programming/encoding
- Start up the VDM with the aid of the diagnosis system
- Carry out ride height adjustment

Step 2: Coding the EDC Delete

Once the physical disconnection is complete, you will need to code your car to recognize the removal of the EDC system.

1. **VO Code to Remove the 2VF Option:** The 2VF option in your vehicle's FA (Vehicle Order) corresponds to the Adaptive M Suspension. Use E-Sys to remove this option.
- Connect your laptop using the ENET cable and launch E-Sys.
- Load the FA (Vehicle Order) from the vehicle.
- Remove the 2VF option from the FA list.
- Save the modified FA.

2. **Code the necessary modules:**
- After removing the 2VF option, code the following modules:
  - ICM (Integrated Chassis Management)
  - DSC (Dynamic Stability Control)
  - HU_NBT (Head Unit)
  - KOMBI (Instrument Cluster)

Step 3: Finishing Up

Once the coding is complete, turn off the ignition for at least 5 minutes to allow the car's systems to reset.

1. Turn off the ignition for 5 minutes.
2. Restart the car. You may see error messages on the dashboard related to the suspension system.
- Clear any error messages using ISTA+.
- If any error messages persist, ensure that you properly coded out the 2VF option and related modules.

Final Checks

1. Test drive the car to ensure the suspension feels normal and no error messages related to the adaptive suspension appear.
2. Check the instrument cluster for any remaining warnings or errors. Clear any remaining codes using ISTA+.

Conclusion

By following this guide, you've successfully deleted the **EDC system** from your BMW FXX by physically removing the **VDC unit** and coding out the **2VF Adaptive M Suspension** option using **E-Sys.** This process ensures that your car no longer monitors or relies on the adaptive suspension system, preventing unnecessary error messages.