

How to Disable "Multifunction Steering Wheel (MFL) Wrong Version" & "Steering Wheel Electronics Module (LRE) Wrong Version" Errors

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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

When retrofitting an M-Sport or any other steering wheel in a BMW, it's common to encounter the error messages "Multifunction Steering Wheel (MFL) Wrong Version" and "Steering Wheel Electronics Module (LRE) Wrong Version" on the FEM_Body module. These errors appear because the vehicle's electronics detect an incorrect or missing LIN variant coding. This guide will walk you through the steps needed to disable these errors by modifying the LIN variant settings for both the Multifunction Steering Wheel (MFL) and the Steering Wheel Electronics Module (LRE).

Requirements and Tools

- OBD ENET Cable: To connect your vehicle to your laptop.
- E-Sys Software: For performing the necessary coding operations.
- ISTA+ Software: Optional, for clearing any errors after coding.
- Laptop with the necessary coding software installed.

Step-by-Step Procedure

Step 1: Connect Your Laptop and Launch E-Sys

1. Connect your laptop to the vehicle using the ENET cable and launch E-Sys.
2. Load the FA (Vehicle Order) from your car, as this will be needed for coding.

Step 2: Access the FEM_Body Module

The errors originate from the FEM_Body module, which manages several body-related functions, including the steering wheel. To disable these errors, you will need to access and modify specific parameters in this module.

1. Navigate to Expert Mode in E-Sys.
2. Read the FEM_Body coding data:
 - In Expert Mode, click on the FEM_Body module.
 - Read the coding data from the FEM_Body module to access its parameters.

Step 3a: Modify the Steering Wheel LIN Variant Setting (MFL)

1. In the FEM_Body module coding, locate the following path:
 - FEM_Body -> 3140 -> Lin_Variante_MFL
2. Change the value of Lin_Variante_MFL from "aktiv" to "nicht_aktiv".
 - This will prevent the "Multifunction Steering Wheel (MFL) Wrong Version" error from being triggered.

Step 3b: Modify the Steering Wheel Electronics Module (LRE) LIN Variant Setting

Another common issue after retrofitting a steering wheel is the "Steering Wheel Electronics Module (LRE) Wrong Version" error. This occurs when the module detects an incorrect LIN variant for the steering wheel electronics.

1. In the FEM_Body module coding, locate the following path:
 - FEM_Body -> 3140 -> Lin_Variante_LRE
2. Change the value of Lin_Variante_LRE from "aktiv" to "nicht_aktiv".
 - This will prevent the "Steering Wheel Electronics Module (LRE) Wrong Version" error from being triggered.

Step 4: Code the FEM_Body Module

After modifying the Lin_Variante_MFL and Lin_Variante_LRE parameters, you need to code the module to save the changes.

1. Click Code to apply the changes to the FEM_Body module.
2. Wait for the coding process to complete, ensuring that no errors occur during the procedure.

Step 5: Clear Any Remaining Errors

1. Launch ISTA+ (if available) to perform a full vehicle scan.
2. Clear any fault codes related to the FEM_Body or the steering wheel.
 - These errors should no longer persist after coding the Lin_Variante_MFL and Lin_Variante_LRE to nicht_aktiv.

Final Checks

1. Restart the vehicle and verify that both errors are no longer present.
2. Test the steering wheel functions, including the multifunction buttons, to ensure they are working properly.
3. If any other errors persist, perform a full scan with ISTA+ to verify that no other issues are affecting the vehicle.

Conclusion

By following this guide, you have successfully disabled the "Multifunction Steering Wheel (MFL) Wrong Version" and "Steering Wheel Electronics Module (LRE) Wrong Version" errors by deactivating the LIN variant settings for the steering wheel in the FEM_Body module. This will allow you to retrofit an M-Sport or other multifunction steering wheel without triggering persistent errors.