Guide to Enabling Speed Limit Info in Unsupported Countries on BMW F Series

Technical Documentation

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Introduction

This guide is designed to assist BMW F Series vehicle owners in enabling speed limit information for countries where this feature is not natively supported. The coding process involves modifying specific parameters in the vehicle's KAFAS module to activate speed limit recognition for these regions. The instructions provided here will help you configure this feature for Croatia, Serbia, and Slovenia using hexadecimal values. Please ensure you follow each step carefully to avoid any errors.

Important Note: It is highly recommended to back up your vehicle's original coding data before making any modifications. If you encounter any issues, you can revert to the original settings.

Step-by-Step Instructions

Step 1: Access Vehicle Coding Interface

1. Connect to your vehicle using an appropriate coding tool and software (e.g., E-Sys).

2. Ensure you have backed up your vehicle's original coding data before making any changes.

Step 2: Code Speed Limit Information

1. Navigate to the KAFAS module within your coding tool.

2. Modify the following parameters:

  - KAFAS_3030 IMPLICIT_SPEED_LIMITS_1 NAME_1 = [Country Code in Hex]
    - Croatia (HR): 48 52
    - Serbia (RS): 52 53
    - Slovenia (SI): 53 6c

  - KAFAS_3010 SLI_CODING_COD_ELECTRICAL_HORIZON = aktiv

3. Apply the coding changes and ensure there are no errors.

Explanation of Hex Values

The hex values represent specific country codes used by the BMW system to enable speed limit information for that country. Each country has a unique hex code, and modifying the KAFAS module with these codes allows the vehicle to display speed limits for that region. Here are some examples:

  - Croatia (HR): 48 52 (Hex for HR)
  - Serbia (RS): 52 53 (Hex for RS)
  - Slovenia (SI): 53 6c (Hex for SI)
  - Germany (DE): 44 45 (Hex for DE)
  - France (FR): 46 52 (Hex for FR)
  - Italy (IT): 49 54 (Hex for IT)
  - Spain (ES): 45 53 (Hex for ES)

For converting country codes to hex values, you can use an online converter such as https://www.rapidtables.com/convert/number/hex-to-decimal.html

Conclusion

You have successfully enabled speed limit information for your BMW F Series in the specified country. Ensure to verify the changes by checking the speed limit display while driving. If any issues arise, refer to the backup coding data.