F82 LCI Ikon Adaptive Headlights to F82 LED Adaptive

Technical Documentation

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Introduction

Retrofitting the F82 LCI Ikon adaptive headlights to your F82 with LED adaptive headlights can enhance your vehicle's lighting capabilities and overall aesthetics. This guide provides detailed steps on how to VO code the new headlights and code the FLE modules. Follow these instructions carefully to ensure a successful retrofit.

The Retrofit Process

To code the F82 LCI Ikon adaptive headlights, follow these steps:

1. **VO Code (522 Adaptive LED)**
   - Update the vehicle order (VO) to include the option 522, which stands for adaptive LED headlights. This ensures that the vehicle recognizes the new adaptive headlights. Make sure to remove the VO of the old Xenon or other headlights. If the vehicle already had adaptive headlights, remove it from VO, code, re-add, code.

2. **Code FLE Modules**
   - The FLE modules need to be coded to accept the new headlights. This involves injecting CAFD into FLE 43 and FLE 44 modules and VO coding the ECU.

3. **Inject CAFD into FLE Modules**
   - Connect to your car using E-Sys.
   - Read the FA (VO) and activate it.
   - Read the SVT (VCM).
   - Left-click on FLE and select 'Detect CAF for SWE'.
   - Select the CAFD from the latest I-level and click OK.

- Right-click on FLE (the ECU itself, not the underlying CAFD) and select CODE.

Important Notes

Ensure that all steps are followed accurately to avoid any issues during the retrofit process. It is recommended to have a backup of your original coding data before making any changes. Keeping the car on the battery charger is recommended.