

FEB 13-14

# FBS4 Training Seminar

2026

## DAY 1

### 10:00 Introduction: **FBS4 System Basics**

- Get to know the team of presenters and the FBS4 system in more details.

### 10:45 Coffee Break

### 11:00 Practical Session 1

- Introduction to the vehicle, what equipment it has, short introduction on what the practical session will be.
- Replacing a module when the original module is not present.
  - Module replacement without previously saved data.
    - Drive Select Module (DSM)
    - Transmission Control Unit - 7G tronic (VGS4 NAG2) / 9G Tronic VSG – NAG
    - Engine Control module (MED17 MRD1 and others).
- Discussing in detail what we are doing, how we are doing it and why. Discussing limitations

### 13:30 Lunch Break

### 16:00 Practical Session 2

- Replacing a module when the original module is not present.
  - Module replacement without previously saved data.
- Readapting the SSID for Cluster, Airbag and other modules
- Changing VIN numbers in all modules other than EZS.
  - Reflashing and change software version (in case of need)

### 17:00 Q&A (open discussion)



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## DAY 2

### 10:00 **ESL Repair in FBS4**

#### Why and how

- Additional hardware repair steps to be discussed apart from standard software repair.
  - Reading, updating and replacing the Multimedia Control Unit
  - Anti-theft protection removal – overview and limitations
  - Region Change (GCC) - Explanation of region coding
    - What parameters are changed. Practical use cases and limitations.

### 10:45 Coffee Break

### 11:00 Practical Session 3

- Introduction to the vehicle, what equipment it has, short introduction on what the practical session will be.
- Module replacement when the old modules are present and usable:
  - Transmission Control Unit – 9G tronic (VGSNAG3)
  - Engine Control module (MRD1)

### 13:30 Lunch Break

### 16:00 Practical Session 4

- Cluster Replacement
- Mileage Calibration – example and case study
- Odometer Calibration Emulator usage
- Readapting the SSID for Cluster and Airbag Module
- SCN Coding

#### Additional topics to discuss and demonstrate:

- MRG1
- Electric drivetrain management systems
- 48V Starter generator

### 17:00 Q&A (open discussion)



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