

## 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)

## 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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