

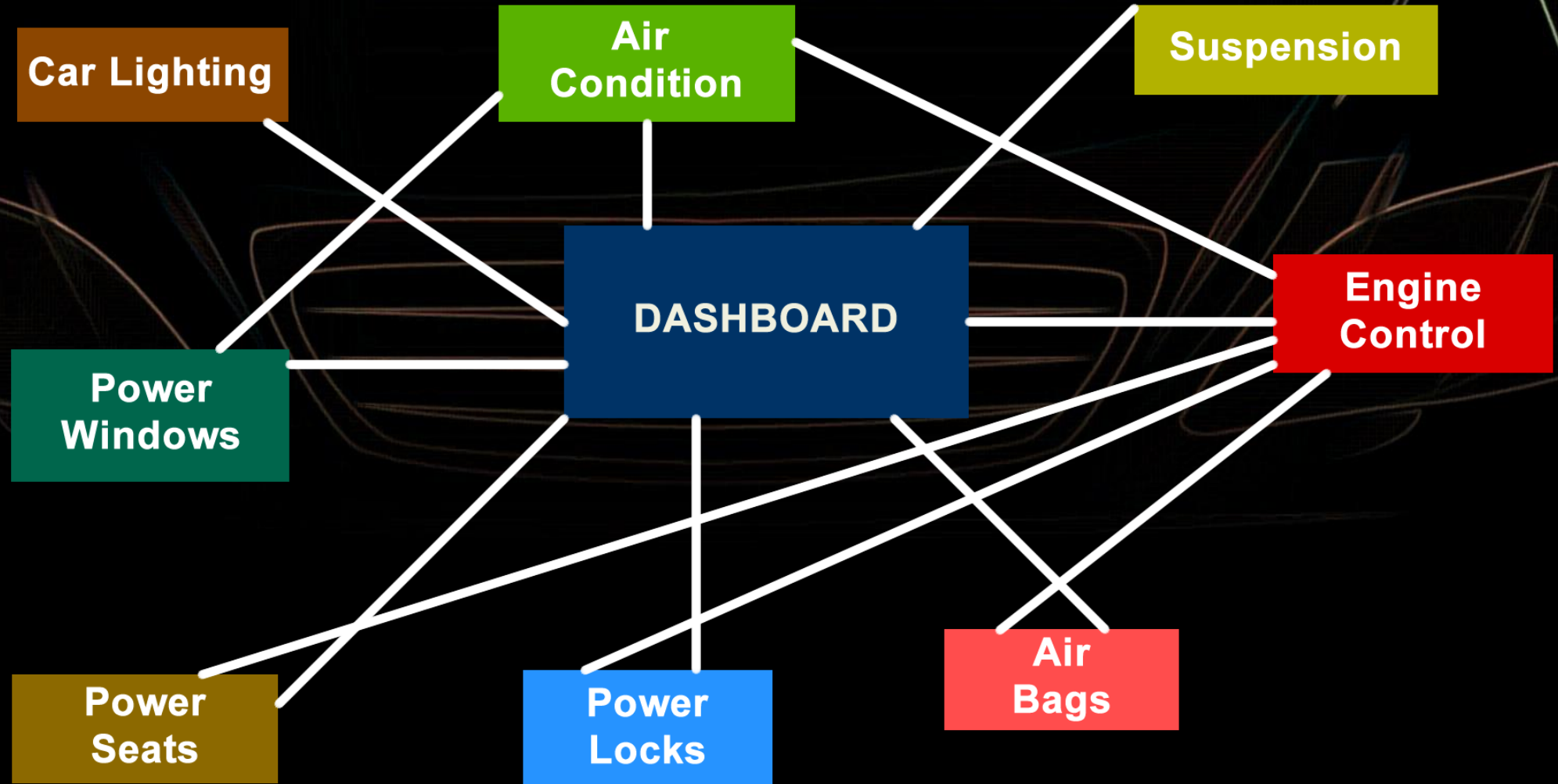


Automobile Hacking and Security

Find vulnerabilities loopholes and security threats in your own vehicle

2.0v

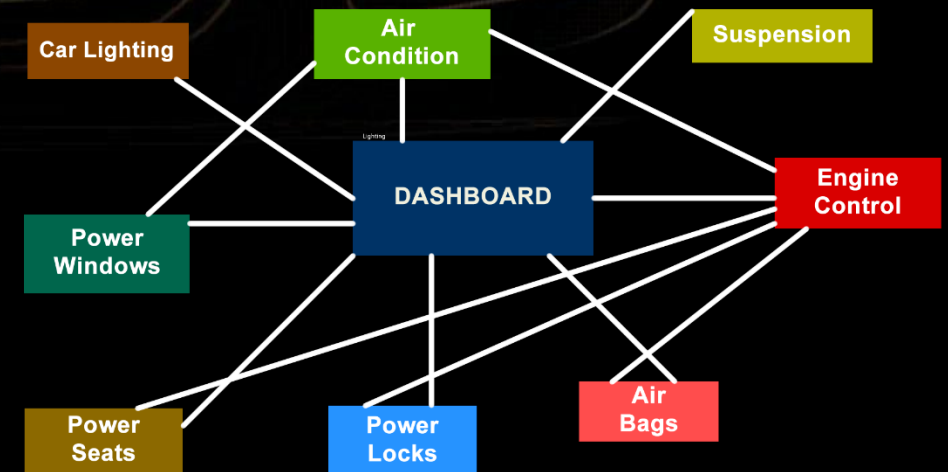
Overview of CAN Protocol



Why we need CAN Protocol ?

Problems without **CAN!**

- multiple wires relate to different ECU units
- Wiring structure is very complicated
- Removing or adding new component is very difficult

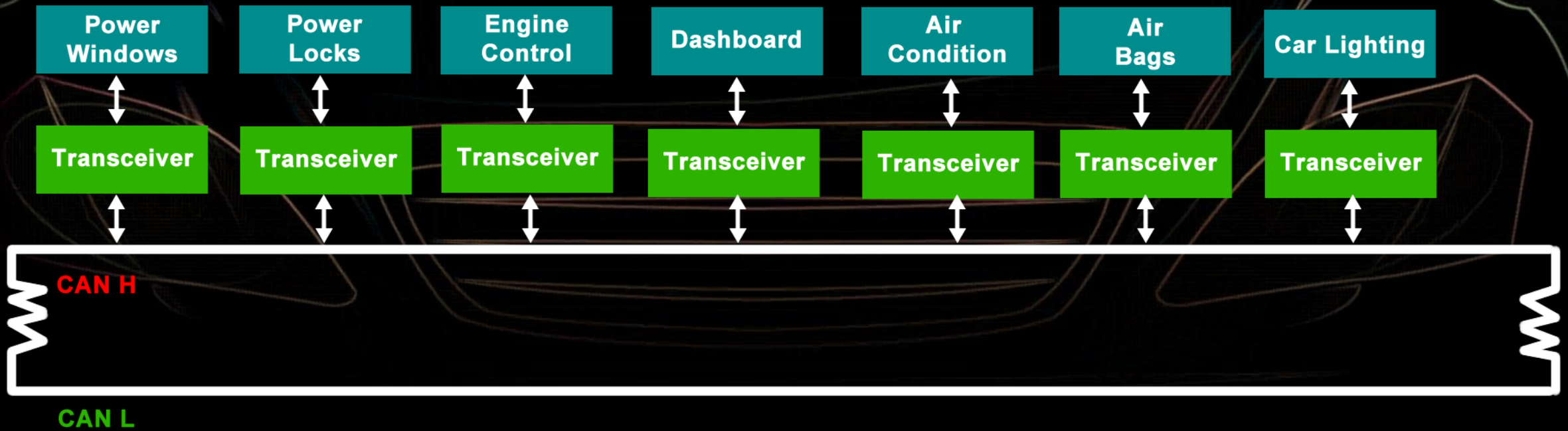


Why we need CAN Protocol ?

We need a Protocol

- Simple wiring structure
- Easily add or remove components
- All systems should be connected with each other

CAN Protocol

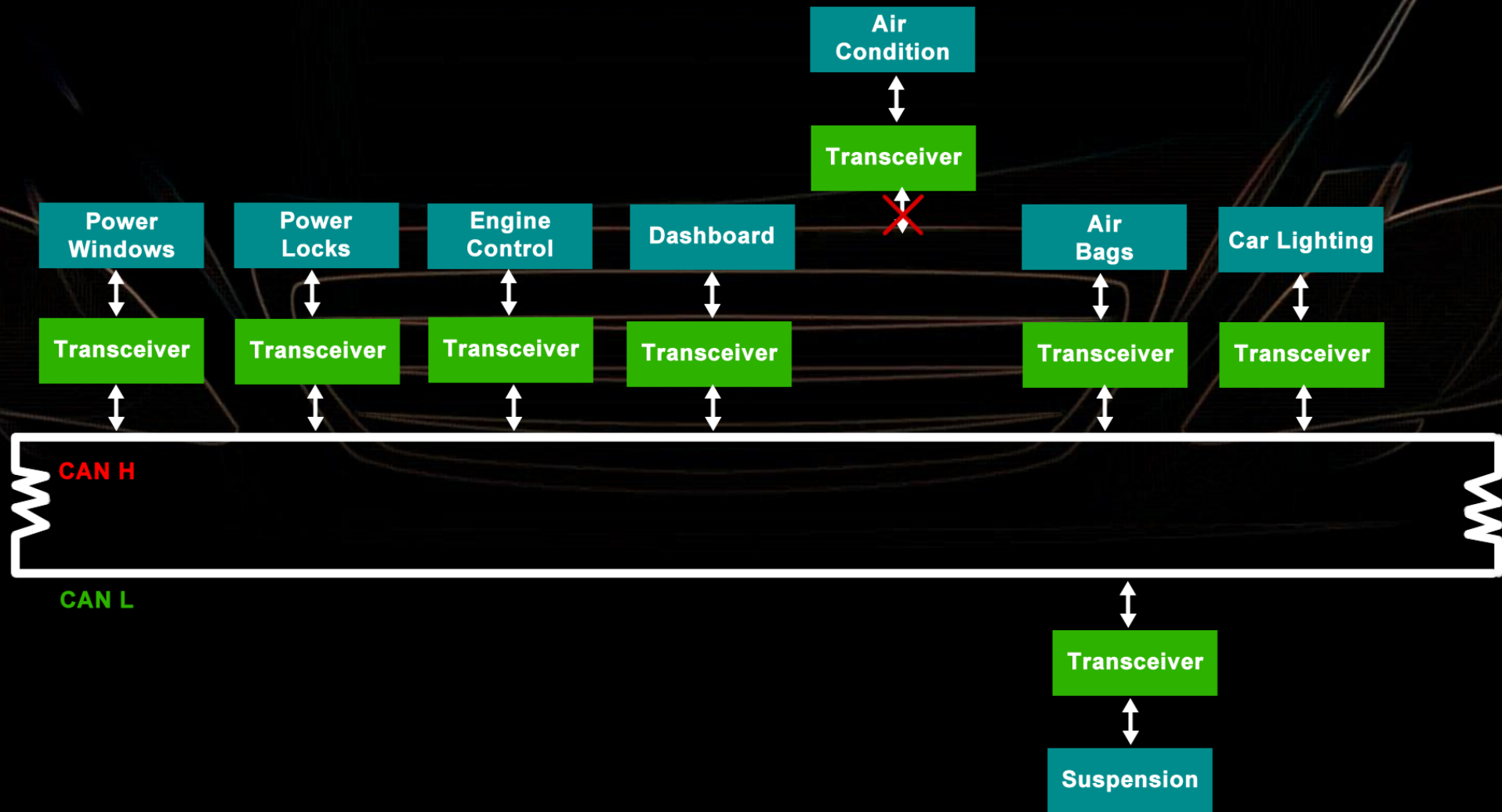


ECU



An electronic control unit (ECU) is a microcontroller or microprocessor in vehicle that is responsible for controlling a specific function

CAN Protocol



CAN Protocol

Features of **CAN** Protocol

- It operates without any host system
- Broadcast type protocol
- Message based protocol
- Serial asynchronous protocol

