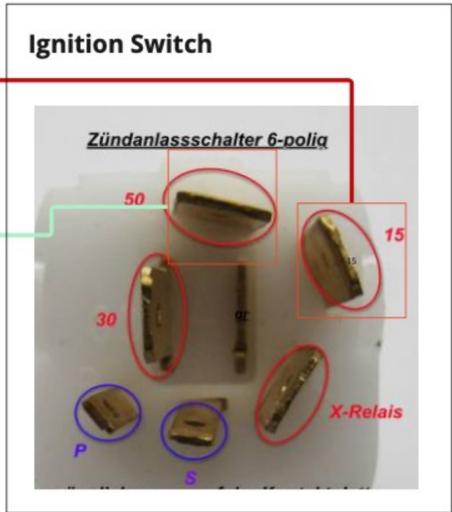
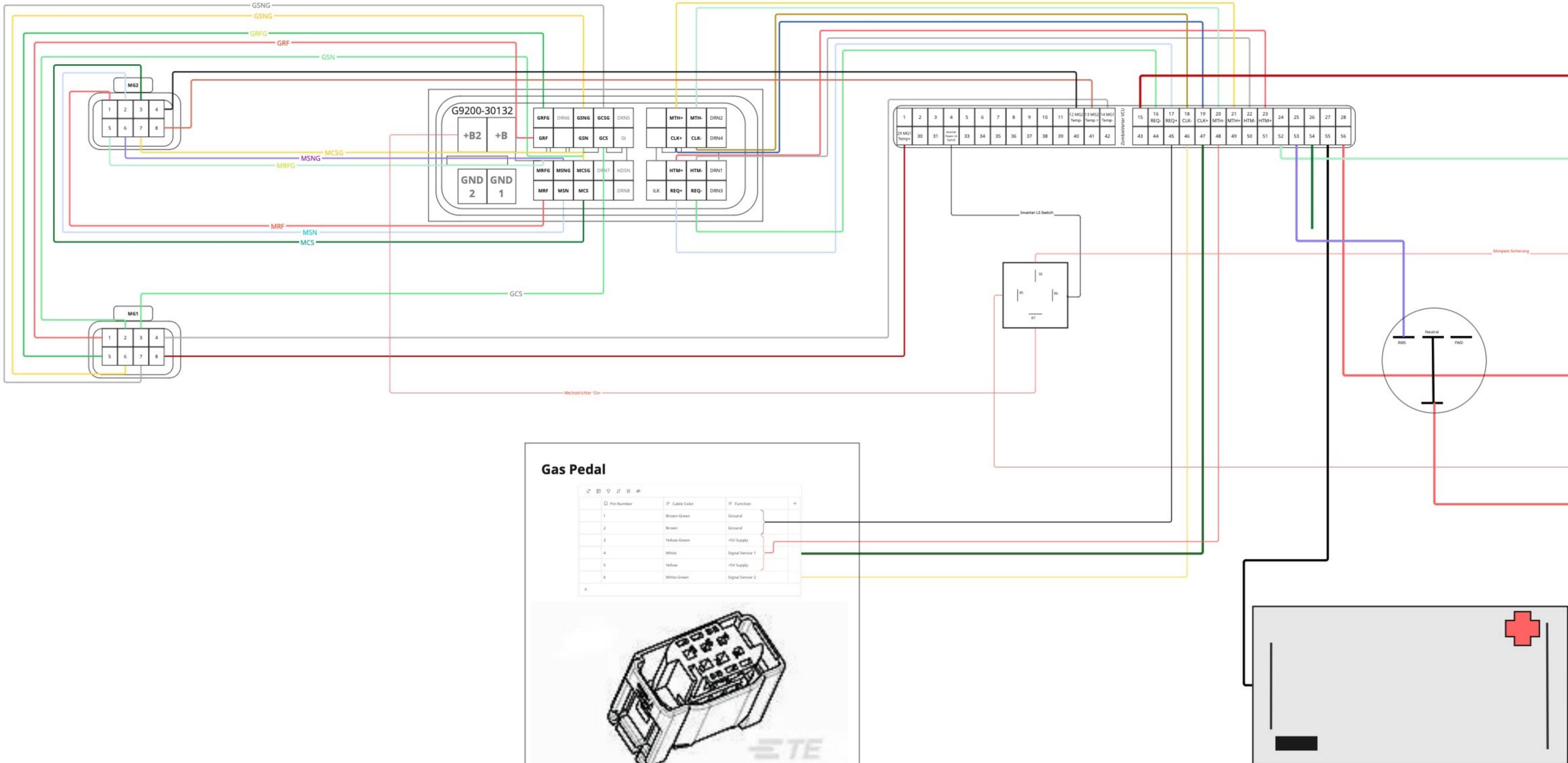


NOTE : If you are using a Toyota drivetrain the VCU MUST BE RESET after loading new firmware or the inverter will not start.



The pins on the ignition switch in your Volkswagen serve the following functions:

- P (Park Position)** – Often used for parking light functionality in some vehicles. This may be connected to a circuit that allows the parking lights to stay on when the key is removed.
- SU (Starter Unlock or Signal for Auxiliary Functions)** – In some models, this pin is used for auxiliary features like glow plug activation in diesel vehicles.
- X (Accessory Load Reduction Relay Control)** – This pin is used to disconnect non-essential electrical loads (such as headlights, blower motor, or radio) while the starter motor is engaged. It ensures maximum power is available for cranking the engine.
- 15 (Ignition ON / Run Position)** – Supplies power to ignition coils, ECU, fuel pump relay, and other essential components when the key is in the "ON" position.
- 30 (Battery +12V Constant Power)** – This is a direct connection to the battery and provides a constant 12V power supply to the ignition switch.
- 50 (Starter Motor Activation)** – When the key is turned to the "Start" position, this pin sends 12V to the starter solenoid, engaging the starter motor.

Gas Pedal

Pin Number	Cable Color	Function
1	Brown-Green	Ground
2	Brown	Ground
3	Yellow-Green	+5V Supply
4	White	Signal Sensor 1
5	Yellow	+5V Supply
6	White-Green	Signal Sensor 2