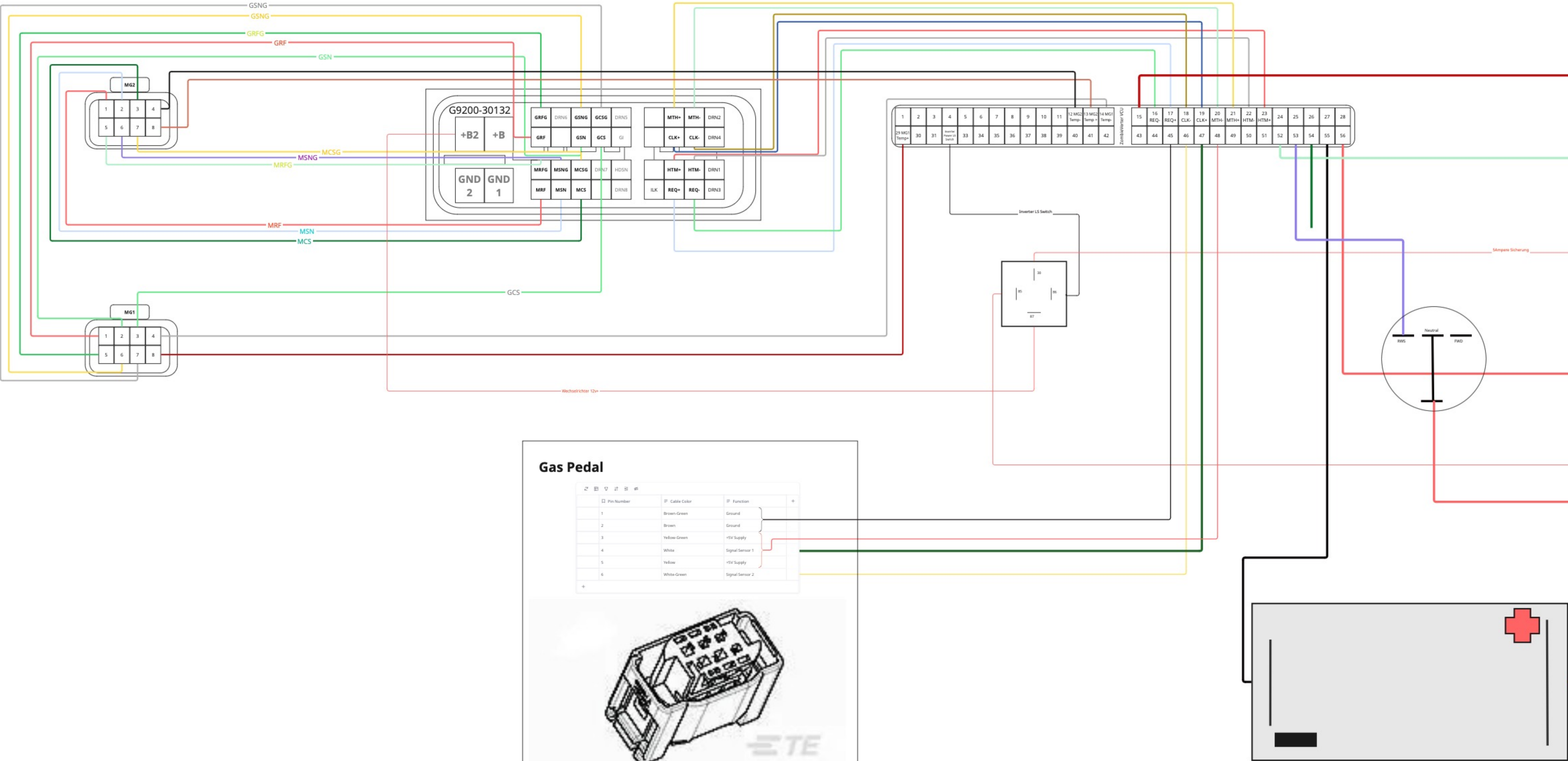


NOTE : If you are using a Toyota drivetrain the VCU MUST BE RESET after loading new firmware or the inverter will not start.



Ignition Switch



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.