



Power Supply Connections



By Athena

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PLEASE NOTE: THE UPDATE STEPS MUST BE FOLLOWED CAREFULLY TO PREVENT ANY FAULT DURING OPERATIONS

1 BEFORE STARTING

This manual is a simple guide that explain the procedure to recognize the connections for power supply on off road bike. The connections are for 12Volt power supply of GET Lambda Sensor, it has the **12V POSITIVE Red Wire** and **GND GROUND Black Wire**

The procedure includes manual operation and minimal tools:

- Multimeter for 12V DC voltage



- RESET TPS CABLE for GET GP1 Power ECU



- 12V DC Power Supply (Fully Charged Battery or DC Power Supply)



- GET GP1 Power ECU or GET GP1 EVO ECU for the bike you need



- POWER ADAPTER CABLE



For manual operation is required a minimum dexterity and knowledge of electrical concepts.

2 CAPACITOR

On Battery-Less bike there is a electrical components that provide to accumulate the power supply from the generator, this is the Capacitor.



All capacitors have 2 (two) wires that coming out from the case, this two wires are connect by a connector to the wiring loom . Not every bike have the same connector or in the same place, but every battery-less bikes has one.

3 FINDING PROCEDURE

When you find the capacitor, you need follow the steps:

- Disconnect the Fuel Pump connector
- Disconnect the Capacitor connector



- Apply the GET GP1 ECU



- Connect the RESET TPS CABLE to the MAIN ECU connector



- Connect the 12V DC Power supply on RESET TPS CABLE (RED on 12Volt DC , BLACK on GND)



- Identify the 12V POSITIVE wire with the Multimeter on BIKE'S WIRING LOOM connector, **NOT on capacitor side.**
- Identify the GND GROUND wire with the Multimeter on BIKE'S WIRING LOOM connector, **NOT on capacitor side.**
- When you read +12Volt on the Multimeter:



- The 12V POSITIVE wire is where is the RED probe of Multimeter
- The GND GROUND wire is where is the BLACK probe of Multimeter



- Disconnect 12V DC Power supply on RESET TPS CABLE
- Connect the Capacitor connector
- Connect the Fuel Pump connector

4 CONNECT THE POWER ADAPTER CABLE

When you find the 12V POSITIVE wire, and the GND GROUND wire, you can connect the POWER ADAPTER CABLE.

You must connect the RED POSITIVE cable of POWER ADAPTER CABLE to the 12V POSITIVE wire of BIKE'S WIRING LOOM.

You must connect the BLACK GND GRUND cable of POWER ADAPTER CABLE to the GND GROUND wire of BIKE'S WIRING LOOM.



5 CHECKING THE CONNECTOS

After connected the POWER ADAPTER CABLE at BIKE'S WIRING LOOM, and before close, you need check with the Multimeter the right connection on the POWER ADAPTER CABLE's connector:

- Disconnect the Fuel Pump connector
- Disconnect the Capacitor connector
- Apply the GET GP1 ECU
- Connect the RESET TPS CABLE to the ECU
- Connect the 12V DC Power supply on RESET TPS CABLE (RED on 12Volt DC , BLACK on GND)
- Identify the 12V POSITIVE wire with the Multimeter on POWER ADAPTER CABLE's connector, **NOT on capacitor side.**
- Identify the GND GROUND wire with the Multimeter on POWER ADAPTER CABLE's connector, **NOT on capacitor side.**
- When you read +12Volt on the Multimeter:



- The 12V POSITIVE must be the pin 1 (RED wire) on the POWER ADAPTER CABLE's connector where is the RED probe of Multimeter
- The GND GROUND wire must be the pin 2 (BLACK wire) on the POWER ADAPTER CABLE's connector where is the BLACK probe of Multimeter



- Disconnect 12V DC Power supply on RESET TPS CABLE (RED on 12Volt DC , BLACK on GND)
- Connect the Capacitor connector
- Connect the Fuel Pump connector

WARNING: if you don't follow the procedure, and you are not sure on the correct POLARTY of connections, can damage the bike, ECU, lambda or other device apply on the bike.



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