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Wire, sens, ECU installing

Schems connection for ECU EC61

The diagrams show all possible connections for this ECU. Depending on your configuration, some connections may not be available for your motor.

- **Schems for ECar lab devices**

Connecting the power minus (ground) KT2

1. The battery is located in the engine compartment.

- Locate the location where the negative battery cable power terminal is bolted to the vehicle body.
- Unscrew the bolt and clean all adjacent surfaces until shiny.
- Screw on the battery power terminal and the negative power terminal of the Swap-Jetronic kit wiring.

2. The battery is located in the passenger compartment or trunk.

- Locate the car body bolt connection in the engine compartment. For example, the place where the ignition coil is screwed to the body.
- Unscrew the bolt and clean all adjacent surfaces until shiny.
- Install the negative power terminal of the Swap-Jetronic kit wiring so that it is located first on the body. Next, install the standard part and tighten the bolt/nut.

Подключение силового плюса KT1

1. The battery is located in the engine compartment.

- Screw the positive power terminal of the Swap-Jetronic kit wiring to the positive power terminal of the battery. The terminal pads must be clean, free of dirt, rust and oxides. If these defects are present, clean them.
- On some Mercedes models, there is a terminal block in the engine compartment to which the positive power cable from the battery is connected. In this case, connect the positive power terminal of the Swap-Jetronic kit wiring to this terminal. The terminal pads must be clean, free of dirt, rust and oxides. If these defects are present, clean them.

2. The battery is located in the passenger compartment or trunk.

- Find the place in the engine compartment where the battery and power cable have a connection point to the consumers. This could be the terminal block, starter or alternator.
- Connect the positive power terminal of the Swap-Jetronic kit wiring to this point. The terminal pads must be clean, free of dirt, rust and oxides. If these defects are present, clean them.

- *When connecting the positive wire of the Swap-Jetronic kit to the generator or starter, interference may occur in the synchronization system and USB ports of the laptop (the connection with the computer falls off). This is due to the fact that these units, due to a complete or partial malfunction, can create strong interference in the power circuit.*

Connecting the KT3 line (plus from the ignition switch)

The supply of control voltage to the **KT3** line turns on the main relay, which powers all components of the kit (see schem of your ECU).

- Connect wire **KT3** (wire marked **Key** on the cambric) to the point where +12V appears after turning the ignition key to the start position (I). This could be the +12 V circuit on the stock ignition coil, etc. (see stock schem).

When connecting to a standard round coil (single), you must correctly identify the +12V terminal. To do this, first disconnect the standard wire from one terminal of the coil, turn on the ignition and measure the voltage at the other terminal (not disconnected); if there is no +12V voltage, then repeat the entire procedure with the other coil terminal.

Software installation. Connecting and checking the ECU

Before further electrical work, it is necessary to connect and check the operation of the ECU.

After connecting the plus and minus power supply of the Swap-Jetronic kit, double-check the correctness and polarity of the connections.

- Turn off the ignition (if it was on). Connect the ECU to the kit wiring connector.
- Install the ECar Manager program — manual.
- Route the OBD2 connector from the kit wiring into the car interior.
- Connect the adapter to the OBD2 connector.
- Connect the USB cable to the adapter and to the laptop's USB port.

Loading the engine mapset into the ECU