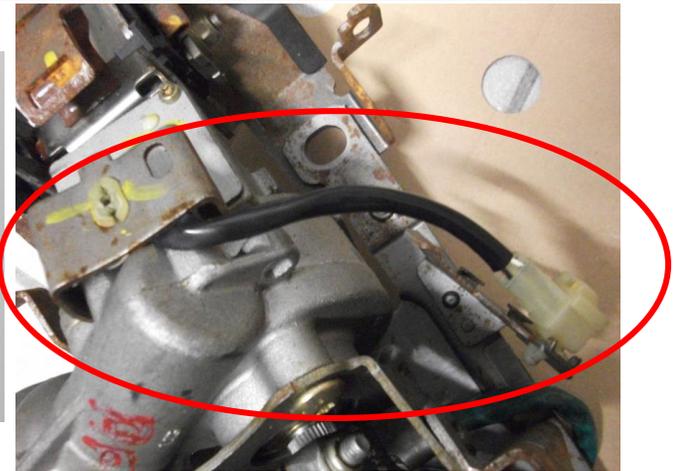


Installation Procedure

Electric Power steering controller – Renault Clio 2

These instructions are a guide to connect the controller box to the electric power steering from a Renault Clio 2.

Controller box	adjustment knob	ECU connector / plug	Torque sensor
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Step 1 – There are two black wires going out of the controller box. One goes directly to the ECU connector / plug. The other one, you must connect it to a +12 Volt ignition switched supply. **Attention** – this black wire must be connected to an ignition switched supply and not a permanent supply.

Step 2 – There is a white wire going out of the controller box. You must connect it to a earth point (0 Volt) close to your steering column and ECU.

Step 3 – Install the adjustment knob in a proper place and:

- connect the yellow wire from the adjustment knob to the yellow wire from the controller box.
- connect the gray wire from the adjustment knob to the gray wire from the controller box.

Step 4 –There are four wires going out of the ECU connector / plug that are not connected (orange, purple, pink and green wires). You must connect these four wires to the torque sensor mounted in the steering column. To make it there are two options:

- If the wires going out of the torque sensor are **black, white, yellow and orange**, please go to **Step 4.1**.
- If the wires going out of the torque sensor are **orange, pink, violet and green**, please go to **Step 4.2**.

Step 4.1 - connect the orange wire from the ECU connector /plug to the orange wire from the torque sensor.
- connect the pink wire from the ECU connector /plug to the white wire from the torque sensor.
- connect the violet wire from the ECU connector /plug to the black wire from the torque sensor.
- connect the green wire from the ECU connector /plug to the yellow wire from the torque sensor.

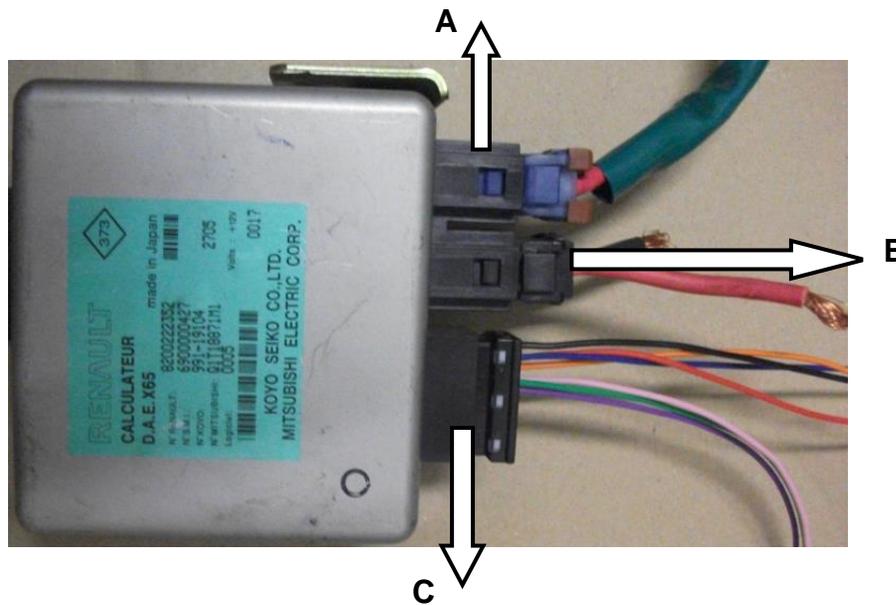
Step 4.2 - connect the orange wire from the ECU connector /plug to the orange wire from the torque sensor.
- connect the pink wire from the ECU connector /plug to the pink wire from the torque sensor.
- connect the violet wire from the ECU connector /plug to the violet wire from the torque sensor.
- connect the green wire from the ECU connector /plug to the green wire from the torque sensor.

Step 5 – Just connect the ECU connector / plug that comes with this controller to the steering ECU (connector “C” in next photo).

Please see the next page photo.

A – the plug marked with “A” must come when you buy a electric power steering. So, just leave it connected as it was.

B – the plug marked with “B” is where you must connect the power. So, the **black** wire must be connected to an earth point (0 Volts). The **red** wire must be connected to a +12 Volt supply. Between the +12 Volt supply and the plug you should install a 60 Amp fuse to protect the electric motor.



C – the plug marked with “C” is the one included in this kit. So, just connect it to the ECU.

Step 6 – If you want, you can cut the adjusting shaft to the desired length, install the knob and tighten the screw. There is no problem to cut the **blue** shaft to the desired length.

How to adjust steering assistance level?

- If you turn the adjustment knob fully anticlockwise you will have no steering assistance.
- If you turn the adjustment knob fully clockwise you will have the maximum steering assistance.
- Between this two points, you have various intermediate steering assistance levels.

If you have any doubt or problem while installing your controller box, just contact me, and I will try to help you as much as possible.

Use only outside public roads or for Motorsport.

Enjoy it !