Installation manual

CruiseControl v1.03

www.toyota-cruise.ru

Cruise control (CC unit) installation is not complicated and could be done by nonprofessional person. Use these manual instructions carefully.

All necessary components are in the package. Extra tools you may need are – screws, knife, clippers and solder.

The CC unit is connected by the next lines:

1) Power from instrument panel (two wires)
2) Acceleration pedal (two wires)
3) Speed signal (one wire)
4) Signal from clutch/brake pedal (one wire)
5) Joystick (optional) (two wires)

Joystick is optional. All functions are alternately available by buttons directly on CC unit.

Below is a connection scheme of a CC unit.

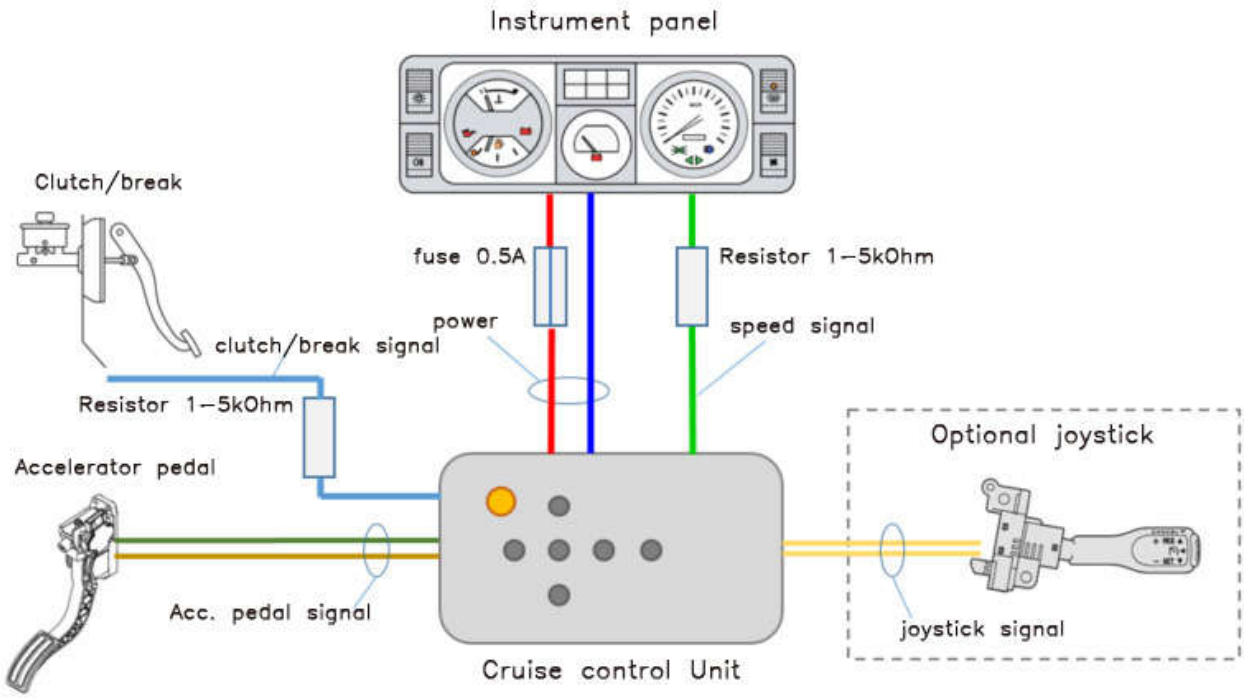


Fig.1. Connection scheme of a CC unit

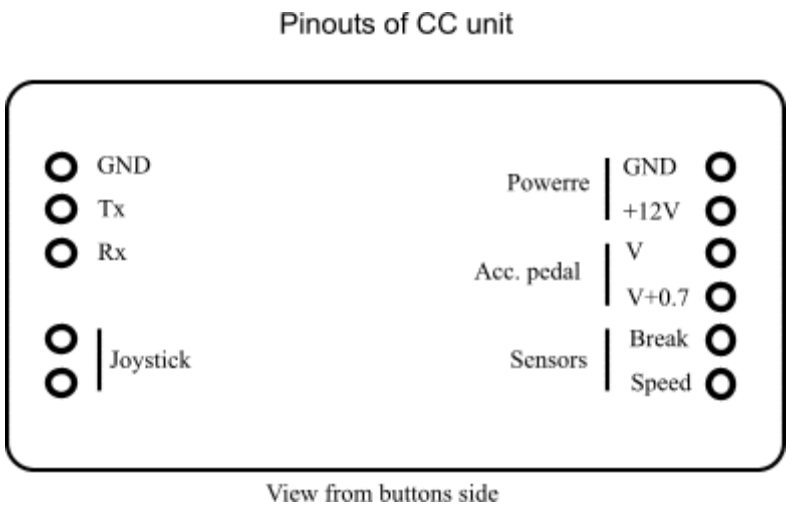


Fig.2. CC unit pinout

CC unit power is given from instrument panel. It should be removed. Before that decorative trim is to be taken out (See Fig.3).

Fig.3. Instrument panel remove

Under the decorative trim there are two screes that fix panel. Take it away. Pull the panel towards you with little force (panel is fix with clips).

Disconnect two connectors (white and blue) (See Fig.4).

Fig.4. Bottom side of the instrument panel with connectors

Three wires are to be connected to the white connector: GND, Power (+12V) via fuse (0.5A) and speed signal via resistor 1-5kOhm (in the place of connection). See Fig. 5 for details.

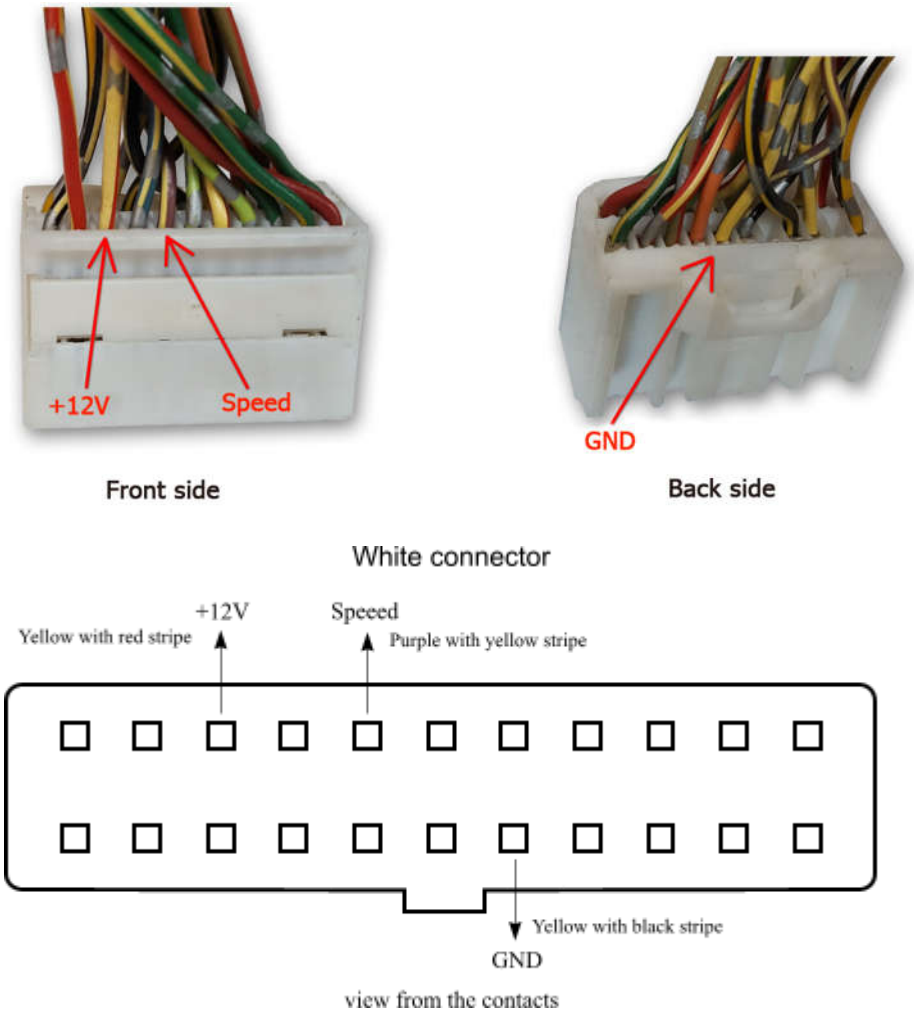


Fig.5. Connections to instrument panel connector

The connector of acceleration pedal should be disconnected (See Fig.6. left). For easy access full wiring of an acceleration pedal could be taken out (See also Fig.6. right).

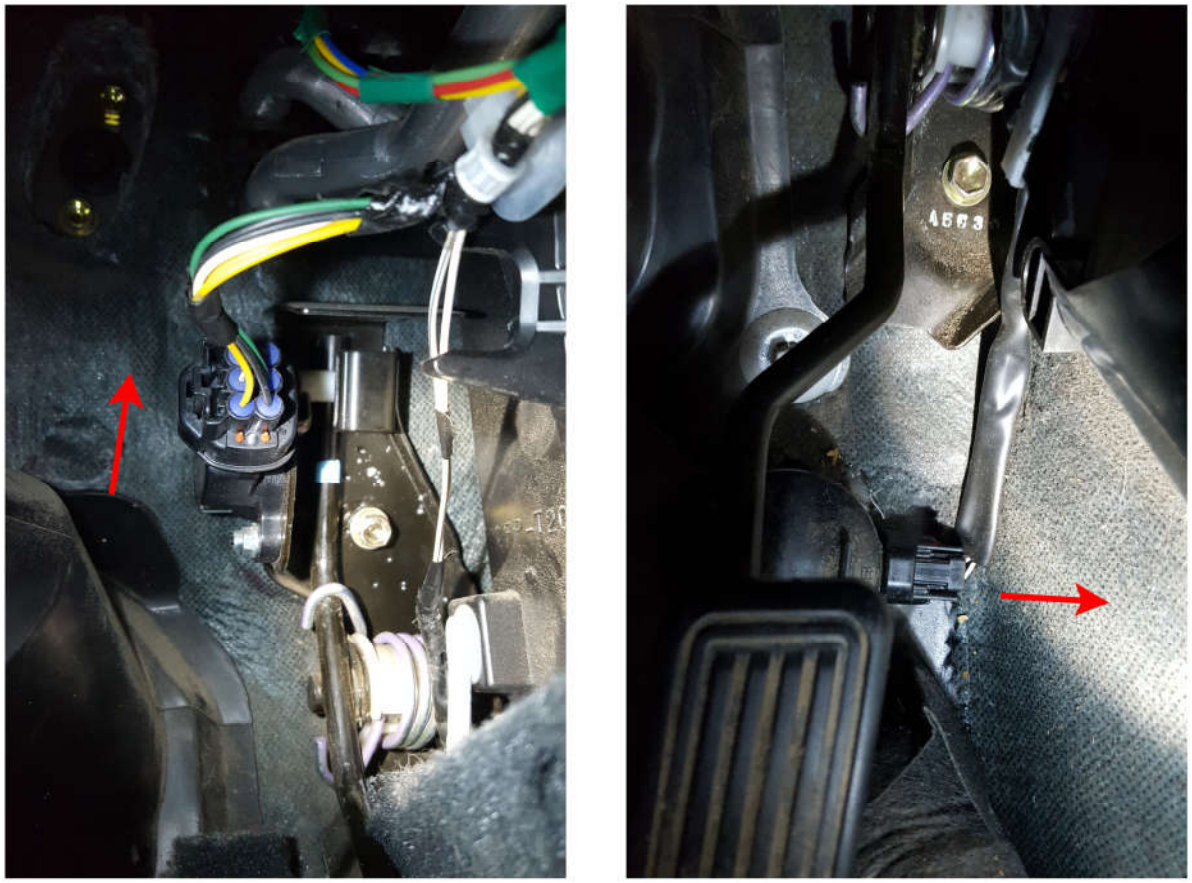


Fig.6. Disconnect wiring of acceleration pedal

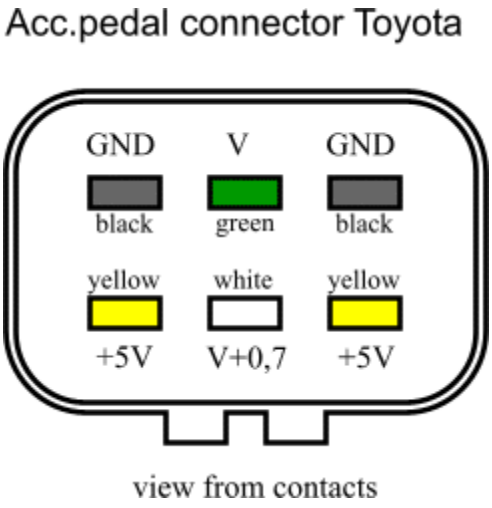
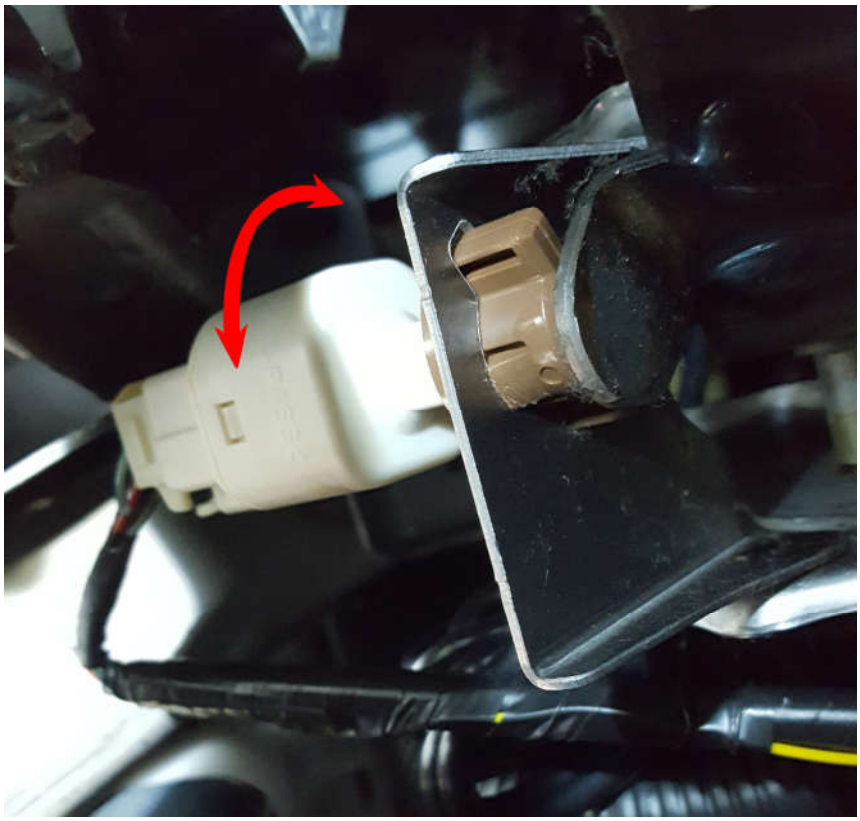


Fig.7. Pinout for acceleration pedal

Two wires should be connected to acceleration pedal – from white and yellow wires (V and v+0.7). Before connection to CC unit the connected wires should be marked so not to be mixed.

Junctions should be soldered or twisted firmly and carefully isolated.

For connection to clutch/brake pedal switch should be taken out by turn. Pinout of brake pedal switch connector is on Fig.8. Use resistor 1-5kOhm in the place of connection.



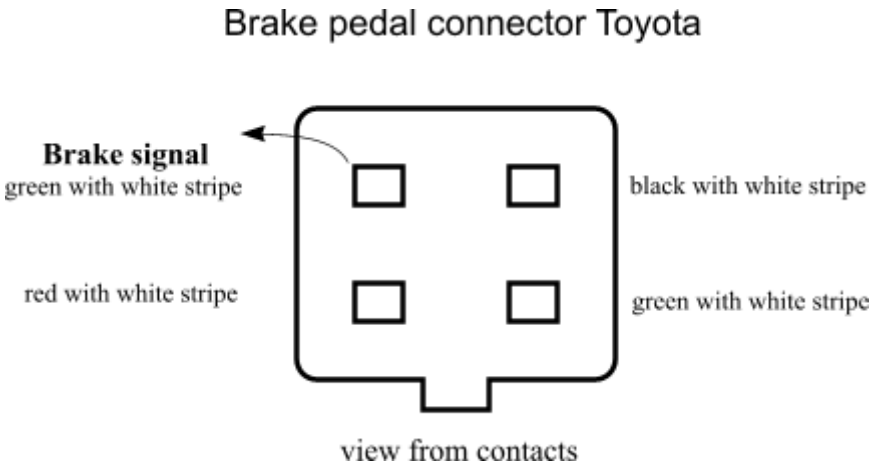


Fig.8. Pinout of brake connector

In case of manual gear additional switch should be installed. Switch should be the same type as for brake pedal (when not pushed pedal switch contacts are shorted). When pedal pressed contacts are disconnected. Resistor 1-5kOhm should be placed in spot of connection to the brake wire.

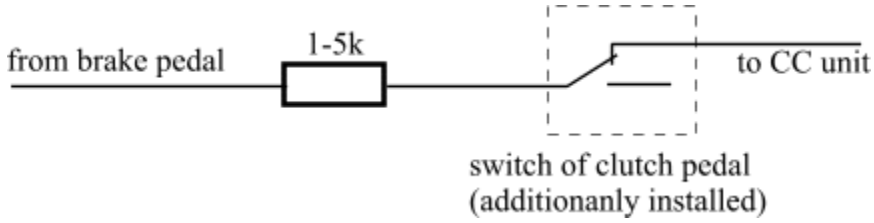


fig.9. Connection in case of manual gear

The scheme of joystick installation is described here https://www.drive2.ru/l/7587857/.

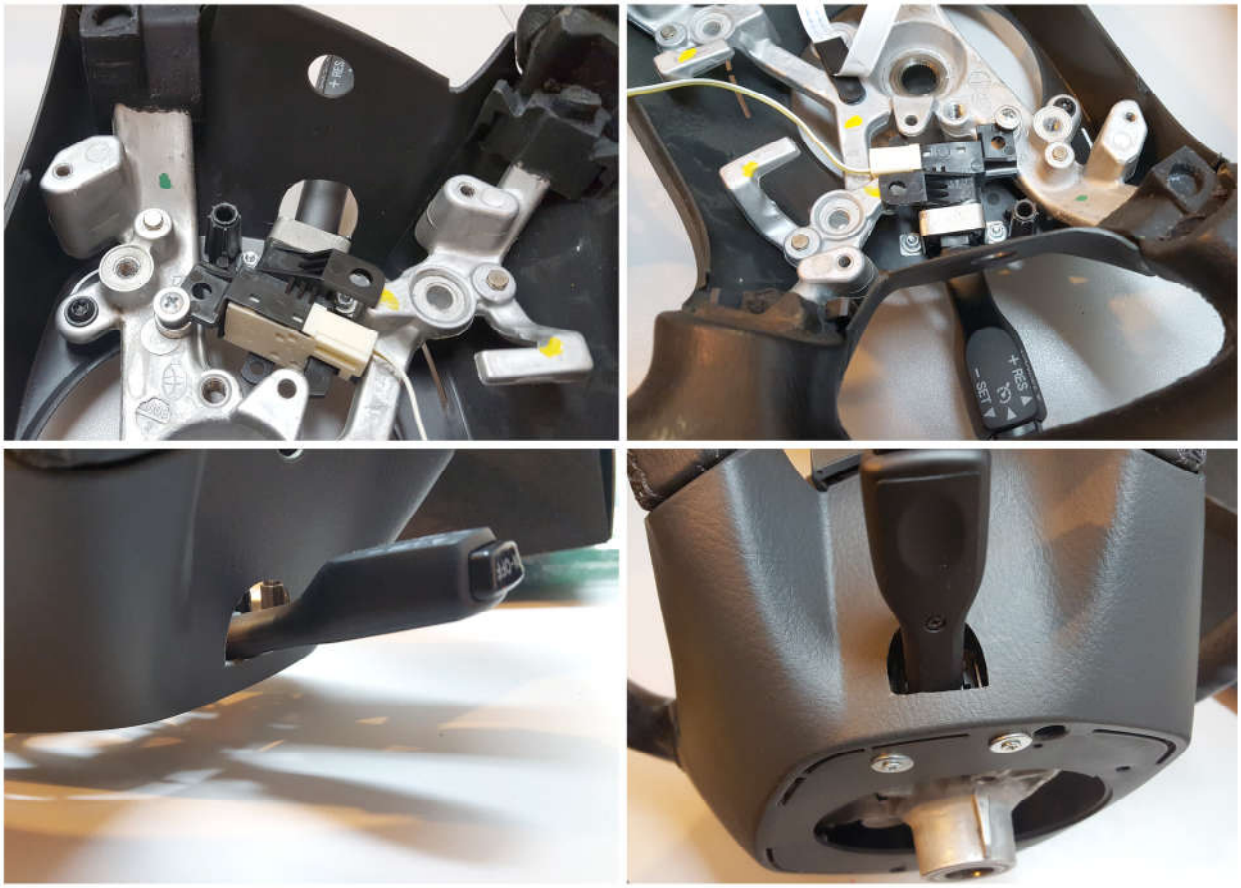
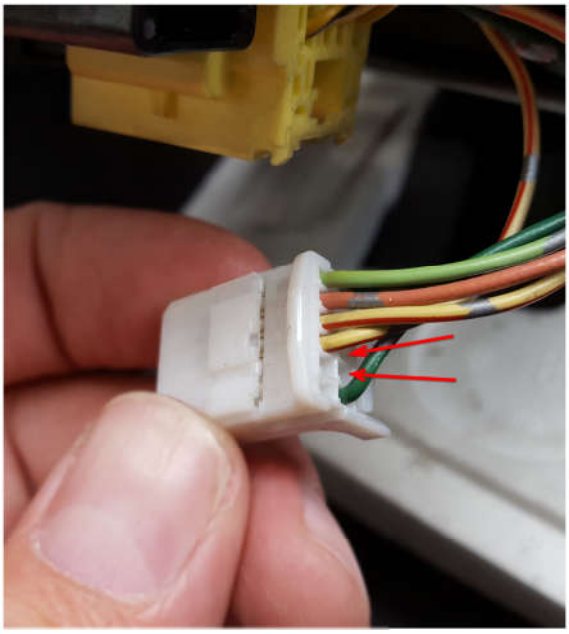


Fig.10. Installation of joystick to steering wheel

To pass wiring from steering wheel to steering column contact lamels from joystick should be used. The lamels are placed in spare positions on corresponding contact group. Two wires should be carried to CC unit (the polarity does ton matter).

Connector in steering wheel



Connector in steering column

Fig.11. Joystick connection

CC unit can be provided with cable and connector to simplify installation to a car. Pinout for cable connector (D-sub) is on Fig. 12.

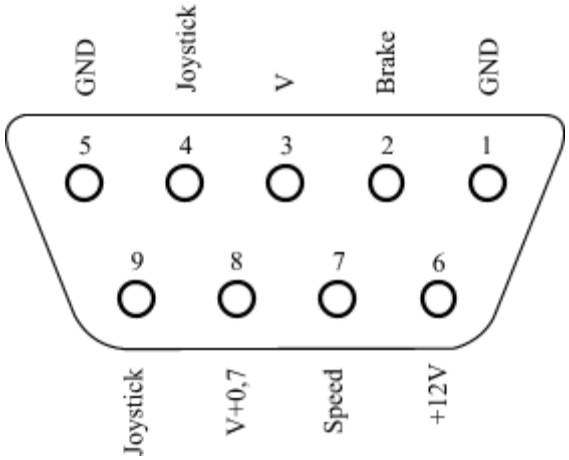


Fig.12. CC unit cable connector (D-sub) pinout

Cruise-control functional test

- Without key (CC unit power ON) Red LED is ON

- ignition ON - Red LED is OFF (brake / clutch is OFF)

- ignition ON and brake or clutch is ON - Red LED is ON

- brake / clutch is OFF - Red LED is OFF

- ignition ON and brake or clutch is OFF, when press Set, On/Off (on joystick) or button A, B on CC unit Green LED is ON (if engine is running – CC unit makes engine speed go up for 1000-1200).