

Troubleshooting documentation ROBOTRONIK-PHEMLA

We wanted to elaborate a little more the problems we displayed in the mail. So we ordered this hardware documentation in different sections.

The boards :

FRDM-KL25Z :

- One of these boards doesn't work because of an unknown issue
- Furthermore, as we can illustrate in picture shown bellow, there are small tin projection.
- Finally, the female jumper connector casing is damaged on the corners (picture bellow).

The middle control board (the one that control the servomotor) :

- Loose connections between the different board
- The switch aren't functional on two board (no control over the current state)
- One board suffer of a supply problem.

Bottom card (the one for the motors and the power electronic) :

- The battery cable is either damaged or missing
- The pins for motors were missing in one kit
- As is was mentioned before, the switches are dysfunctional on some kits.

Camera :

- Connection strip damaged in one kit
- A diode is missing on one camera and cause a inability to use it (cf. picture bellow)

Motors & Servomotors :

Motors :

- One motor is out of alignment
- On every kits, the connectors weren't included

Servomotors :

- The connectors aren't adapted to the middle board

Frame

- The ankle on the front left wheel is damaged (cf. photo bellow)