

Troubleshooting documentation ROBOTRONIK-PHELMMA

We wanted to elaborate a little more the problems we mentioned in the mail. We try to display as concise as possible the different problems you encountered, organised by parts.

The boards :

FRDM-KL25Z :

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

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

- Loose connections between the different boards
- The switches aren't functional on two boards (no control over the current state)
- One board suffers of a power 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 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 causes an inability to use it (cf. picture below)

Motors & Servomotors :

Motors :

- One motor is out of alignment
- The connectors weren't included in any kits

Servomotors :

- The connectors aren't adapted to the middle board

Frame

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