

SIDNE Motor Relay Test

If we have had trouble with SIDNE's motor (not the cube) overheating where the power shuts off for a while, and then it starts back up. But if SIDNE keeps shutting off and we come to a place where SIDNE does not go on again after a day no matter what we do... this is something we can test to see if the fuse inside the motor is broken or not.

We can narrow this down very easy by doing the following: Remove batteries. Remove the cover on the relays which are mounted behind the Seat Backrest. There is a yellow motor wire which connects to small red wire using a "faston" connector. Pull this connector apart by using a pliers on each end of the connector and wiggle it back and forth while pulling it apart—DO NOT PULL ON WIRES.

The battery connectors mounted on the kart have a black and a red wire which go into a harness (disregard the small jumper wire which goes from one battery connector to the other battery connector). Using a continuity tester or ohmmeter, check for continuity between the contact on the large red wire of the battery connector and the yellow wire coming from the motor.

Report back whether there is or is not continuity.

