Kugoo M4 Motor Cable Replacement Instructions

Warning

1. Disconnect the main battery before starting disassembly to avoid electric shock, short circuit or permanent damage to the controller.
2. Do not pull or bend the motor wires sharply. Damaged insulation may cause short circuit.
3. Use only Kugoo M4 compatible motor cable. Mismatched cables may burn the controller or motor.
4. If you lack experience in electric vehicle maintenance, please seek help from a professional technician.
5. Do not test ride the scooter until all functions are fully verified after replacement.

Required Tools

- Phillips screwdriver
- Flat screwdriver
- Wire cutters
- Heat shrink tube / electrical tape
- Needle nose pliers
- Mobile phone (to take photos of original wiring)

Replacement Steps

1. Power off the scooter and disconnect the main battery connector. Wait 3–5 minutes to discharge residual electricity.
2. Loosen the axle nut on the rear wheel, remove the rear wheel assembly from the scooter frame.
3. Trace the motor cable from the hub motor to the controller compartment. Take clear photos of the connector pin sequence and wire colours for reference.
4. Unplug the motor cable connector at the controller side carefully. Do not pull wires directly.
5. Route out the old damaged motor cable through the frame cable channel. Note the routing path.
6. Thread the new Kugoo M4 motor cable along the original cable route. Avoid pinching the cable when assembling the frame.
7. Connect the new cable’s controller plug to the controller port. Ensure the connector is fully seated and locked. Match wire colours and pin definition strictly with the photo taken before disassembly. Wrong wiring will burn the controller.

8. Route the motor end cable to the hub motor and connect firmly. Reinstall the rear wheel, tighten the axle nut to the specified torque.
9. Refit all frame covers and cable clips to fix the cable, prevent cable rubbing against moving parts.
10. Reconnect the main battery. Power on and test: wheel rotation, acceleration, brake cut-off. Check for abnormal noise or heating.
11. If everything works normally, the replacement is complete. If there is any abnormality, cut off power immediately and recheck wiring.

Maintenance & After-sale Notes

1. Improper wiring or installation damage is not covered under warranty.
2. Keep all connectors dry. Reinstall waterproof gaskets properly to prevent water ingress.
3. After replacement, check regularly to ensure the cable is not loose or worn during riding.

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