

## **Scoot-N-Go Speed Controller Conversion Wiring Directions**

- 1: Turn the key switch to the off position and remove the key from the scooter.
- 2: Disconnect the 'power' connector from the battery pack.
- 3: Disconnect the 'motor' connector from the motor and replace with the large white connector on the SPD-24250 speed controller with the white and blue wires.
- 4: Disconnect the 'speed control' connector and replace with the 'derailleur' connector on the SPD-24250 speed controller.
- 5: Disconnect the 'key switch' connector and replace with the 'power locks' connector on the SPD-24250 speed controller.
- 6: Disconnect the 'charge' connector and replace with the 'charge' connector on the SPD-24250 speed controller.
- 7: Disconnect the 'brake' connector and replace with the 'brake' connector on the SPD-24250 speed controller.
- 8: (\*Optional) Disconnect the 'back lamp' connector. Cut the 'back lamp' connector off of the old speed controller leaving as much wire attached to the connector as possible. Cut the 'brake light' connector off of the SPD-24250 speed controller and splice the 'back lamp' connector from the old controller onto the new controller. Splice the black wire to the black wire, and the red wire to the green wire. Connect the 'back lamp' connectors together.
- 9: (\*Optional) Disconnect the small black connectors with red and blue wires. Cut the small black connector off of the old speed controller leaving as much wire attached as possible. Cut the unmarked small white connector with the red and black wires off of the SPD-24250 speed controller and splice the small black connector from the old controller onto the new controller. Splice the red wire to the red wire and the black wire to the blue wire. Connect the small black connectors together.
- 10: Connect the 'power' connector from the battery pack to the large white connector on the SPD-24250 speed controller with the red and black wires.

\*These connections are optional and they are not necessary for the speed controller to operate the motor.

Installation Note: This Scoot-N-Go conversion speed controller does not support the turn signals. After installation the turn signals will no longer function.