

# 500-NP Installation Instructions for the E-Z-Go PDS



## Before Installation:

- Place rear on jack stands (wheels off the ground)
- Use proper eye protection and tools when working with electrical equipment
- Disconnect the batteries



## Installation:

1. Prepare heatsink using supplied mounting template.
2. Mount control using original motor control mounting bolts.
3. Connect all motor wires (refer to supplied wiring diagram for proper connection). **The "C" wire must be removed from the contactor terminal and mounted to the A2 post of the new control.**
4. Remove the pre-charge resistor and discard.
5. Remove the TOW switch from the motor controller cover.
6. Mount the switch to the supplied switch plate.
7. Mount contactor assembly on the floor in front of the control.
8. Remove the contactor from the bracket.
9. Slide switch plate over studs such that the TOW switch is closest to the batteries.
10. Reinstall the contactor.
11. Connect the adapter harness to all appropriate connectors.



## Troubleshooting:

**Perform all troubleshooting checks with rear wheels off the ground.**

### Cart does not operate

- Verify that all wire connections are correct and secure.
- Verify that the Tow switch is closed. This can be done by measuring pin 1 on the control. If switch is closed this pin should measure close to battery volts.
- Verify battery volts on pin 2 of the control.
- Verify battery volts on pin 6 of the control with the key on.
- Verify battery volts on pin 3 of the control with the accelerator start switch closed.
- Verify that control is configured for the correct application (check label).

### Contactor closes but no movement

- Verify proper armature and field connections (Refer to supplied wiring diagram).
- Verify approximately 0.5V to 1.8V on pin 7 of the control as the accelerator is slowly depressed.



Detailed pictorial instructions, templates, and wiring diagrams can be downloaded from the Downloads - Controller Documents section of our website.

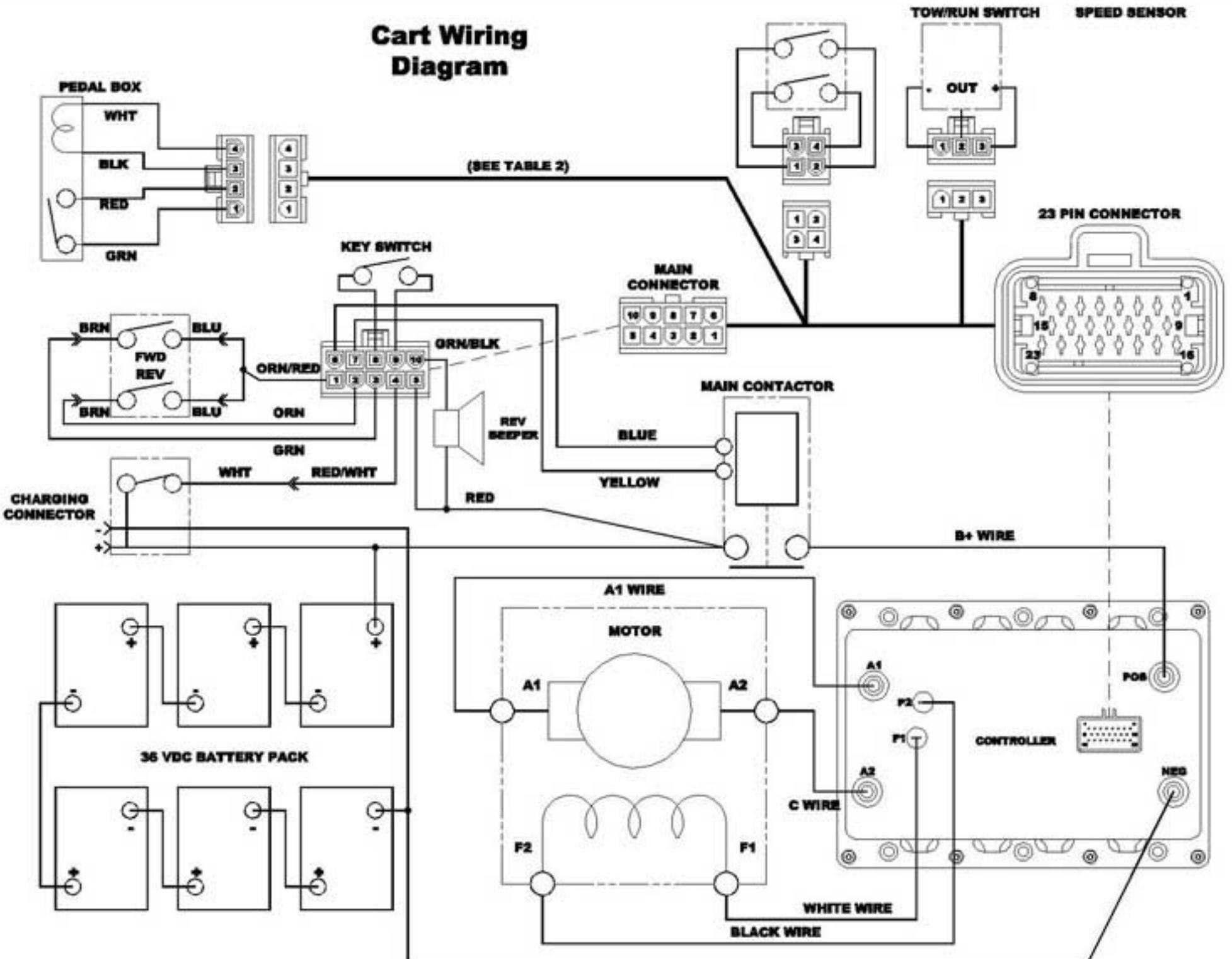
### Disclaimer:

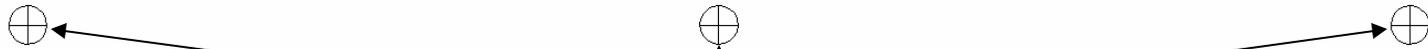
D&D Motor Systems, Inc. is not responsible for personal injury or equipment damage due to misuse of the product.

***D&D Motor Systems, Inc.***

215 Park Ave.  
Syracuse, NY 13204  
Phone: (315)701-0635  
Fax: (315) 701-0859  
[www.ddmotorsystems.com](http://www.ddmotorsystems.com)

# Cart Wiring Diagram





After template is mounted to heatsink, drill these holes with a No. 7 (0.201") drill bit and tap these holes to 1/4" X 20

# Mounting Template



Punch/cut these holes out of the template. Mount template to cart heatsink using original motor control bolts.



After template is mounted to heatsink, drill these holes with a No. 7 (0.201") drill bit and tap these holes to 1/4" X 20

