500-NP Installation Instructions for the Club Car IQ

1.0

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).
- 4. Install supplied adapter harness.



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 3.5V (Regen I) 3.5V to 0.5V (Regen II) 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



Connector on Cart		То	Connector on Control
Wire Color	Pin Number		Pin Number
WHITE	1	R	8
YELLOW	2	R	7
PURPLE/WHITE	3	R	9
GREEN/WHITE	4	R	No Connect
LIGHT BLUE	5	R	No Connect
GREEN	6	R	3
ORANGE/WHITE	7	R	10
BROWN	8	R	4
GRAY	9	R	1&2
TAN	10	R	6
NOT USED	11	R	
BLUE/WHITE	12	R	17
BLACK/WHITE	13	R	16
LIGHT GREEN	14	R	14
RED	15	R	15
BLUE	16	R	5

