

500-NP Installation Instructions for the Yamaha G19 or G22



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. Move pin 11 of the 23 pin connector to pin 17. (detailed pictorial instructions on how to do this can be found on FSIP website).
5. Connect the 23 pin connector to the new control.



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).

Contactors 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:

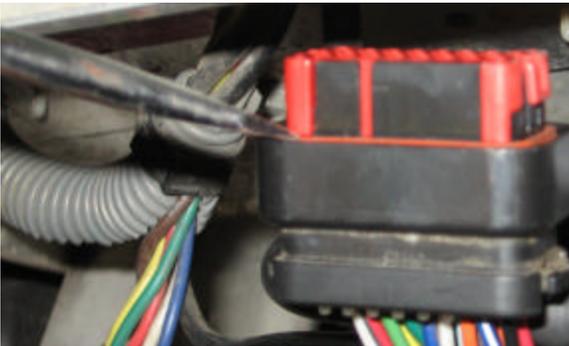
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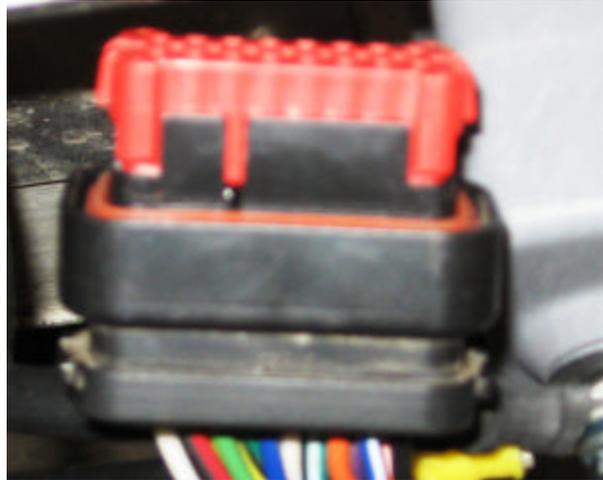
215 Park Ave.
Syracuse, NY 13204
Phone: (315)701-0635
Fax: (315) 701-0859
www.ddmotorsystems.com

Instructions for moving pin 11 to pin 17 of the 23 pin connector

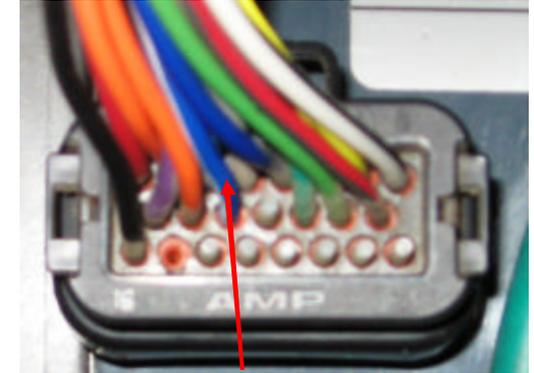
1. Pry red insert (from opposite sides of the connector) up and away from black housing of the connector as shown in the pictures below.



2. Connector should then look like the picture below (notice that the red tab insert is now extended above the black housing of the connector, but not completely dislodged from the connector).

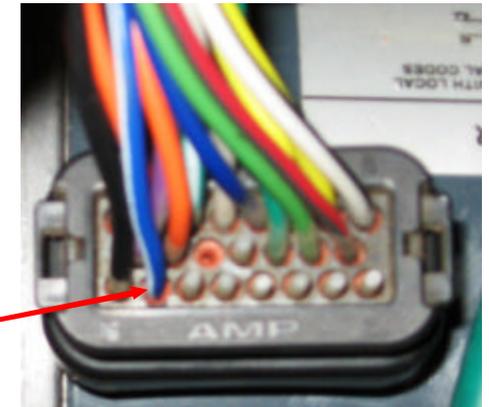


3. With red tab insert extended from housing (as shown above) pull the blue/white wire (pin 11) from the backside of the connector. Pin 11 is shown below (**wire colors in pictures may not match**).

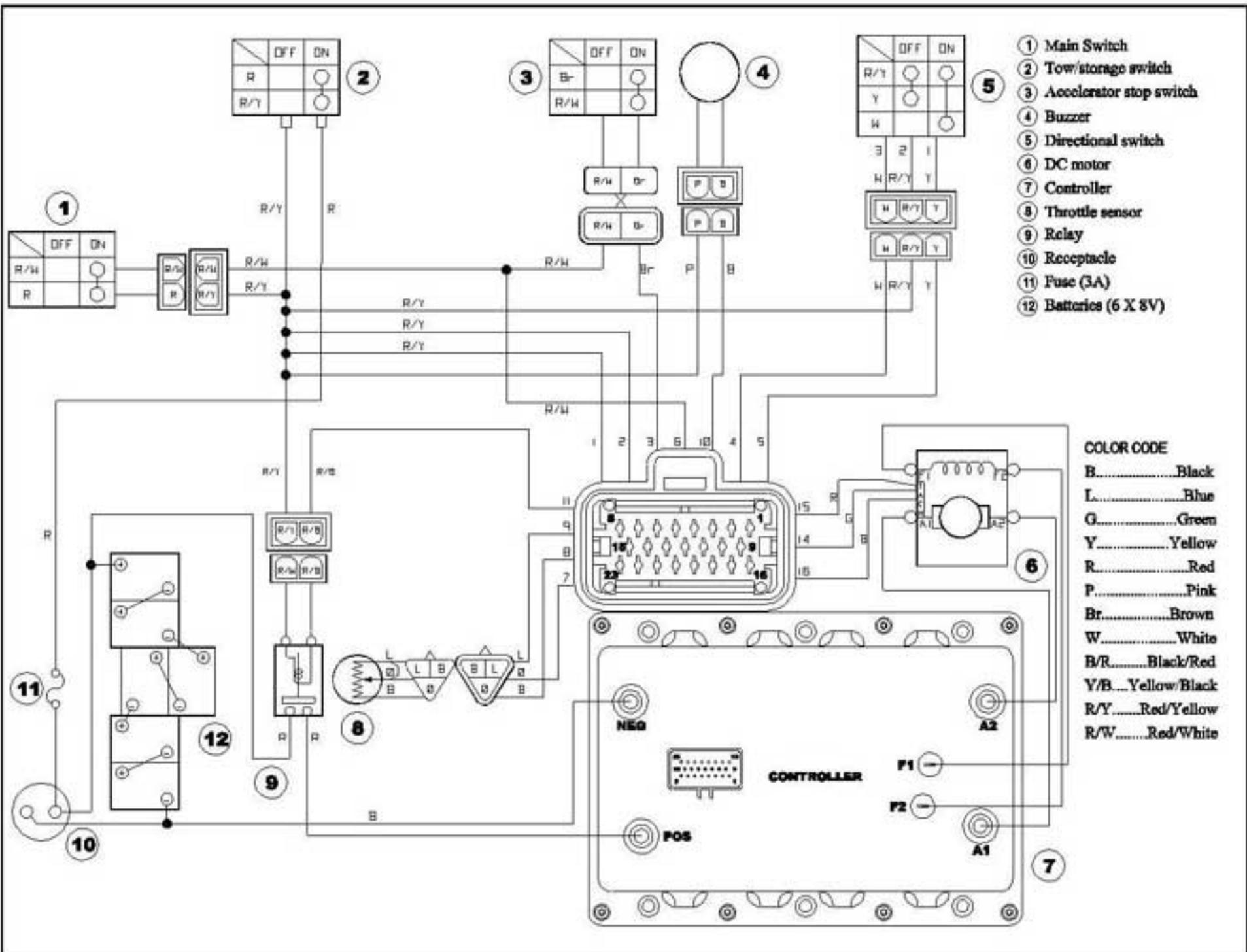


4. Now insert the ^{Pin 11} wire into Pin 17 as shown below.

Wire is now inserted into Pin 17.



5. Push the red tab insert back into place.



TOP

TOP

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

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

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Mounting Template

