

FX302 Installation Instructions for the Yamaha G19/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. Mount the control.
2. Connect all motor wires (refer to supplied wiring diagram for proper connection).
3. Connect the 23 pin connector to the new control.



Troubleshooting:

Perform all troubleshooting checks with rear wheels off the ground.

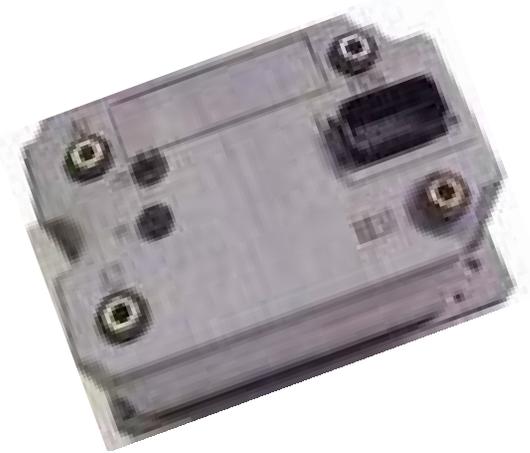
Cart does not operate

- Verify that all wire connections are correct and secure.
- Verify that the Tow and key switch are on. 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 pins 2 & 6 of the control.

- Verify approximately battery volts on pin 11 of the control.
- Verify zero volts on pin 3 of the control with no throttle.
- Verify battery volts on pin 3 of the control at full throttle.
- Verify battery volts on pin 4 and zero volts on pin 5 of the control when the forward direction is selected.
- Verify battery volts on pin 5 and zero volts on pin 4 of the control when the reverse direction is selected.
- 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 on pin 7 of the control as the accelerator is slowly depressed.

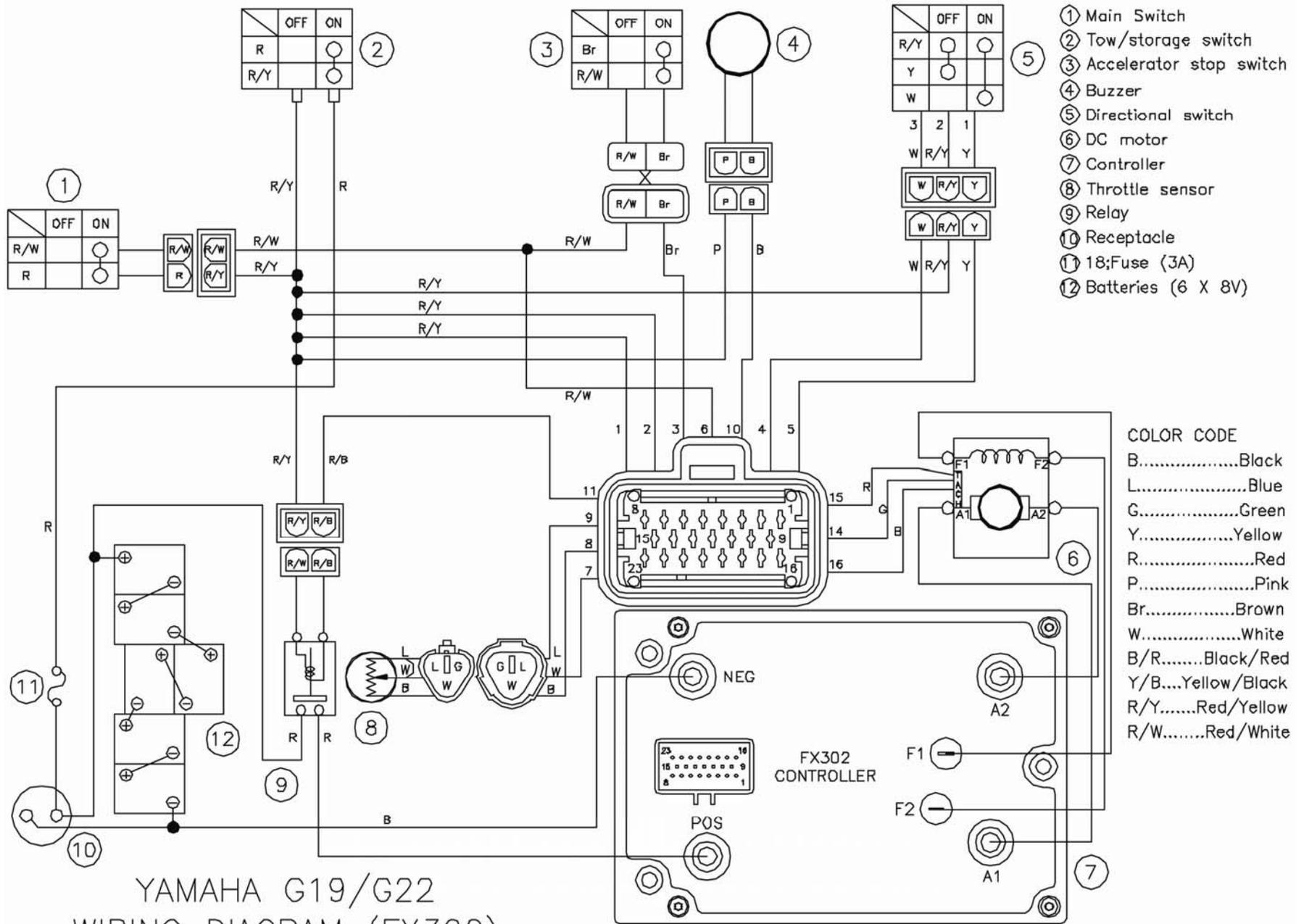


Disclaimer:

Flight Systems Industrial Products is not responsible for personal injury or equipment damage due to misuse of the product.



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YAMAHA G19/G22
WIRING DIAGRAM (FX302)