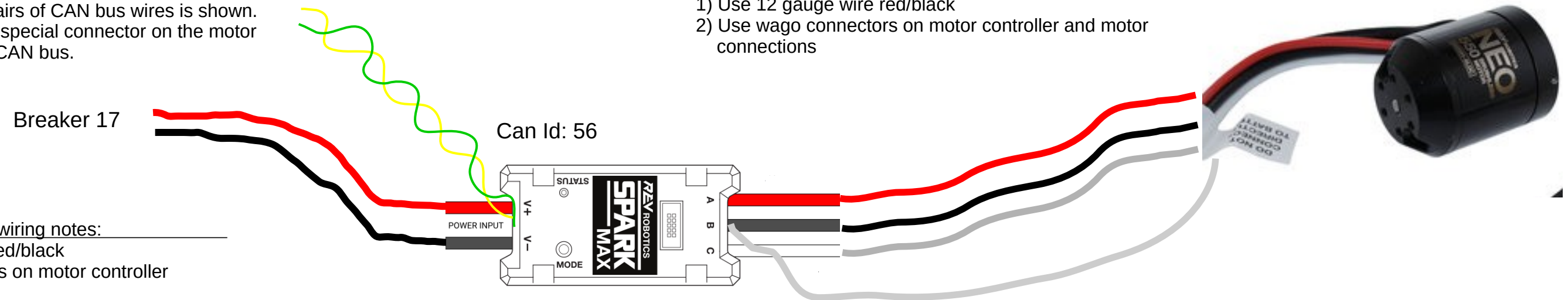


- 1) See drawing FRC4150-2024-0020 for complete CAN bus Wiring.
- 2) Use wago connectors to connect CAN bus.
- 3) Only one of the two pairs of CAN bus wires is shown.
- 4) Spark Max requires a special connector on the motor Controller side of the CAN bus.

- 1) Use 12 gauge wire red/black
- 2) Use wago connectors on motor controller

- 1) Use 12 gauge wire red/black
- 2) Use wago connectors on motor controller and motor connections




1) Distance to motor is limited by special connector needed on Wiring cable.

The figure consists of two line plots, one for **DIO: 1** (top) and one for **DIO: 3** (bottom). Each plot shows the evolution of a metric over time, represented by three lines: black, red, and blue. The x-axis represents time, and the y-axis represents the value of the metric. The black line starts at a low value and increases, then fluctuates. The red line starts at a medium value and fluctuates. The blue line starts at a high value and decreases, then fluctuates. The plots show that the metric values are relatively stable over time for both **DIO: 1** and **DIO: 3**.



- 1) Blue Wires not used and terminated after end of original wire
- 2) Soldered connections to three pin female adapters
- 3) Connected to dio ports on Robo Rio
- 4) 5 volt power from Robo Rio



		Drawn by	<h1>FRobotics – Team 4150</h1> <p>2025 Competition Robot Electrical Schematic Climb</p>	
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		Reviewed by		
		TS		
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